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DEWEY LOEFFEL LANDFILL

SUPERFUND SITE

CERCLA INDEX NO. 02-2012-2005

NASSAU, NEW YORK

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1. INTRODUCTION

The Dewey Loeffel Landfill (Landfill) is located at 350 Mead Road in the Town of Nassau, Rensselaer County, New York. The Landfill is listed on the New York State Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 Site (Site No. 442006). The New York State Department of Environmental Conservation (NYSDEC) referred the Dewey Loeffel Landfill to the United States Environmental Protection Agency (USEPA) and issued a letter supporting its placement on the National Priorities List (NPL). USEPA proposed the Dewey Loeffel Landfill Superfund Site (Site) for inclusion on the NPL on March 4, 2010, and the Site was subsequently added to the NPL on March 10, 2011. A more detailed summary of the Site background is included in the Site Characterization Summary Report Addendum (SCSR Addendum) (O'Brien & Gere Engineers, Inc. [OBG], 2019).

Monitoring of groundwater outside the Landfill has been performed on a semi-annual basis since October 1998. The sampling through the Spring 2013 event was performed in accordance with a NYSDEC-approved work plan (GeoTrans, Inc. [GeoTrans], 2008, 2009, as revised). Beginning with the Fall 2013 sampling event, the groundwater monitoring has been performed by OBG, now known as Ramboll Americas Engineering Solutions, Inc. (Ramboll), in accordance with the Design Report/Implementation Plan (DR/IP) prepared by Arcadis of New York, Inc. (ARCADIS U.S., Inc. [Arcadis], 2017, as revised). The DR/IP was submitted to USEPA pursuant to the Administrative Settlement Agreement and Order on Consent for Removal Action (CERCLA Index No. 02-2012-2005) (Removal Order) executed by USEPA, the General Electric Company (GE) and SI Group, Inc. (SI Group). GE and SI Group are referred to collectively herein as Respondents.

The Groundwater Monitoring Plan (GWMP) included as Attachment B of Appendix J of the approved DR/IP was revised and submitted to USEPA on April 28, 2017; USEPA approval of the revised GWMP was received on May 2, 2017. Pursuant to the approved GWMP, groundwater monitoring activities for the 2020 sampling events are summarized in this annual report. As mentioned in Section 4.1 below, the Spring and Fall 2020 groundwater sampling events were performed in conjunction with supplemental groundwater sampling at select monitoring wells and Flexible Liner Underground Technologies (FLUTE™) multi-level monitoring well ports at the request of USEPA during a February 12, 2020 meeting with the Respondents. The supplemental groundwater sampling was performed under the Remedial Investigation/Feasibility Study (RI/FS) Work Plan (OBG, 2015b) for the Landfill and Groundwater portions of the Site and pursuant to approved sampling plans submitted to the USEPA on April 30 and May 13, 2020; USEPA approval was received on May 6 and November 11, 2020. The laboratory results of the supplemental groundwater sampling will be summarized in the revised SCSR Addendum.

In addition to the semi-annual sampling of groundwater monitoring wells pursuant to the approved GWMP, samples were collected by Arcadis in August 2020 from the eight existing extraction wells (designated EW-1 through EW-8). Sampling of the leachate collection tank (LCT) was not performed in 2020 due to the lack of significant leachate entering the leachate collection system (as discussed in Section 2.1 below). Samples were also collected by Arcadis in 2020 from the residential wells equipped with point of use (POU) treatment systems and from select residential wells without POU treatment systems. The results of the extraction well and residential supply well sampling performed by Arcadis in 2020 are also summarized herein.

2. REMEDIAL SYSTEM OPERATIONS

2.1 Leachate Collection System

As part of the design of the Landfill, a leachate collection system was installed in the northwest corner of the containment system, as shown in Figure 1-1. The system collects and removes leachate to keep the water/leachate level inside the containment system lower than the base of the clay cap. The system includes three sloped, interconnected, gravel-filled trenches with approximately 400 feet of 4-inch perforated Schedule 80 polyvinyl chloride (PVC) drain pipe. The drain pipes are connected to an 8,000-gallon underground fiberglass tank. The tank invert is located approximately 19 feet below the top of the cap at the drain pipe connection location, with a design elevation of 626.5 feet referenced to the National Geodetic Vertical Datum of 1929. The system is designed so that leachate will flow into the tank whenever the hydraulic head in the drain pipes exceed the tank inlet elevation and the leachate level in the tank is below the invert elevation of the pipes where they enter the tank (Ecology & Environment, Inc. [E&E], 1992).

NYSDEC was responsible for operation, monitoring and maintenance (OM&M) of the leachate collection system from the time the system was installed until October 31, 2011, when USEPA assumed responsibility for operating the system. On August 1, 2012, the Respondents assumed responsibility for removing the leachate from the LCT. Extracted leachate was transported off-site for treatment prior to start-up of the treatment system in December 2013. Beginning in December 2013, leachate was treated through the newly constructed treatment system (see Section 2.2 for discussion of the treatment system).

Summaries of the annual and cumulative leachate removal volumes are presented in Tables 2-1 and 2-2, and Figures 2-1 and 2-2, respectively. Leachate removal began in 1991, and has since continued, except for 1994 when no leachate was removed. In 2020, approximately 1,790 gallons of leachate were removed from the LCT,¹ bringing the cumulative total volume of leachate removed from the LCT to approximately 6,984,640 gallons.

Approximately 38 leachate samples were collected from the LCT for volatile organic compound (VOC) analysis from 1985 through March 2016. The results of these samples and the volume of leachate removed have been used to estimate the mass of VOCs removed from the Landfill. The annual and cumulative mass removed has been estimated and is reported herein for the nine dominant VOCs detected at the Site, namely BTEX compounds (i.e., benzene, toluene, ethylbenzene, m&p-xylenes and o-xylene), chlorinated volatile organic compounds (CVOCs) (i.e., trichloroethene [TCE], cis-1,2-dichloroethene [cDCE] and vinyl chloride) and chlorobenzene. Due to the relatively low concentrations of the remaining VOCs detected in samples from the LCT, they are not included in this evaluation.

The results of the VOC mass removal estimates for the LCT on an annual and cumulative basis are provided on Tables 2-3 and 2-4, respectively, in pounds and also as a percentage of the total mass removed. Figures 2-3 and 2-4 represent the mass of BTEX, CVOCs and chlorobenzene removed on an annual and cumulative basis, respectively. As expected, VOC removal rates vary from year to year as the volume of leachate removed also varies from year to year.

¹ The leachate in the LCT was last sampled in March 2016. Due to lower water levels within the Landfill, a very small amount of leachate continues to flow into the leachate collection system. The 1,790 gallons of leachate pumped into the treatment system in 2020 were due to manual operation for equipment maintenance.

Approximately 0.04 pounds of VOCs were removed in 2020. Very little VOC mass was removed in 2020 because the water level elevation in the Landfill was below the invert elevation of the drain pipes and LCT inlet throughout the year, as discussed above. As of the end of December 2020, a total of approximately 3,379 pounds of VOCs have been removed from the containment system through use of the leachate collection system.

As shown on Table 2-4, BTEX compounds are the dominant VOCs in the leachate and account for 83 percent (%) of the VOC mass removed. Toluene accounts for approximately 49%, while benzene accounts for approximately 28%. Chlorobenzene accounts for approximately 12% and the other BTEX compounds and CVOCs account for the remaining 11%.

2.2 Groundwater Extraction System

NYSDEC issued a Record of Decision (ROD) and associated Responsiveness Summary on January 3, 2001. The remedial alternative selected was "Disposal Site Hydraulic Containment with Downgradient Groundwater Recovery and Treatment". One of the elements outlined in the ROD was the installation and operation of groundwater extraction wells along the centerline of the bedrock VOC plume south of the Landfill. NYSDEC subsequently designed and installed a groundwater extraction system consisting of three bedrock extraction wells (designated EW-1, EW-2 and EW-3) located south of the containment system. A brief summary of each well is provided below.

Extraction well EW-3, located closest to the Landfill, is approximately 400 feet from the cut-off wall. This well was originally known as DB-11A and was installed in July 2005 as part of the pre-design investigation (PDI) performed by NYSDEC. EW-3 was subsequently converted into an extraction well in accordance with design documents prepared for NYSDEC by Dvirka & Bartilucci Consulting Engineers (D&B). The well is 4 inches in diameter, 260 feet deep and is open to the bedrock from 45 feet to 260 feet below ground surface (bgs).

Extraction well EW-2 is located approximately 750 feet south of the cut-off wall and was installed by Precision Environmental Services, Inc. in August 2007 under contract to NYSDEC. The well is 9-7/8 inches in diameter, 240 feet deep, is open to the bedrock from 77.5 feet to 240 feet bgs and is sleeved with 6-inch diameter well screen and riser pipe.

Extraction well EW-1 is approximately 1,150 feet south of the cut-off wall. This well was originally known as DB-9B and was installed in July 2005 as part of the PDI performed by NYSDEC. EW-1 was converted into an extraction well in accordance with design documents prepared for NYSDEC by D&B. The well is 4 inches in diameter, 200.4 feet deep and is open to the bedrock from 68 feet to 200.4 feet bgs.

Beginning in late March 2008 and through 2010, NYSDEC extracted groundwater from EW-1, EW-2 and EW-3 on a seasonal basis, operating during the Spring, Summer and Fall months. Operation of the groundwater extraction system by NYSDEC did not resume after the Fall 2010 shutdown until July 2011. USEPA took over operation of the groundwater extraction system from NYSDEC on October 31, 2011 and winterized the system to allow for year-round operation. Pursuant to the Removal Order, the Respondents assumed responsibility for continued operation of the leachate and groundwater extraction systems on August 1, 2012. Leachate and extracted

groundwater were transported off-site prior to start-up of the treatment system in December 2013.

On December 11, 2013, the groundwater from the three existing extraction wells and leachate from the LCT was directed to the treatment system. On December 17, 2013, Arcadis initiated treatment system start-up activities as outlined in the USEPA-approved Start-Up Plan (Appendix H of the DR/IP). The discharge from the treatment system was initially directed to temporary storage tanks for subsequent sampling and analysis and was discharged to the Valatie Kill following approval from USEPA based on the analytical results. On December 2, 2014, and with USEPA approval, direct discharge began from the treatment system to the Valatie Kill.

Pursuant to the Removal Order, OBG installed five new extraction wells (designated EW-4 through EW-8) in October and November 2014. The locations of all eight bedrock extraction wells are shown on Figure 1-1. Information pertaining to the design and installation of EW-4 through EW-8 is provided in the Appendix F Summary Report (OBG, 2015). Extraction wells EW-4, EW-6 and EW-7 were installed closest to the Landfill to approximately 200 feet in depth. Extraction wells EW-5 and EW-8 were installed farther southwest to approximately 250 feet in depth. The five new extraction wells were brought into operation between July and November 2015 in accordance with Appendix H of the DR/IP.

Summaries of the annual volumes of groundwater extracted from each of the eight extraction wells (EW-1 through EW-8) are presented on Table 2-1 and Figure 2-5, while the cumulative volumes of groundwater extracted from the eight wells are presented on Table 2-2 and Figure 2-6. Approximately 2,498,200 gallons of groundwater were pumped from the extraction wells in 2020. Approximately 22,142,500 gallons of groundwater have been extracted and transported off-site or treated and discharged from the treatment system since operation of the first three extraction wells began in March 2008. The effective pumping rates in 2020 for EW-1, EW-2, EW-3, EW-4, EW-5, EW-6, EW-7 and EW-8 were approximately 0.6, 1.1, 0.8, 0.4, 0.4, 0.4, 0.4 and 0.4 gallons per minute (gpm), respectively.

During operation of the groundwater extraction system, samples have historically been collected from the eight extraction wells on a quarterly basis for laboratory analysis for VOCs and 1,4-dioxane; other parameters were also collected quarterly and/or annually in accordance with Appendix J of the DR/IP. In 2020, the frequency of extraction well sample collection was reduced from quarterly to annually in accordance with Table 1 of Appendix J of the DR/IP. The results of the VOC analyses and the groundwater withdrawal estimates for each extraction well have been used to estimate the mass of VOCs removed from each extraction well. Similar to the mass removal calculations for the leachate from the LCT, the mass removal calculations for the groundwater extraction system have been estimated and reported for the nine dominant VOCs detected in the groundwater samples, namely BTEX compounds, CVOCs and chlorobenzene. Due to the relatively low concentrations of the remaining VOCs detected in groundwater, they are not included in this evaluation.

The results of the VOC mass removal estimates for each of the groundwater extraction wells on an annual and cumulative basis are provided on Tables 2-5 and 2-6, respectively, in pounds and also as a percent of the total mass. Figures 2-7 and 2-8 present the annual and cumulative mass of BTEX, CVOCs and chlorobenzene removed for each year the groundwater extraction system

has been in operation. Tables 2-7 and 2-8 present a summary of the mass of VOCs removed by the groundwater extraction system on an annual and cumulative basis, respectively, in pounds and also as a percent of the total mass. As anticipated, the mass of VOCs removed varies from year to year in response to variation in the volume of groundwater extracted. Approximately 925 pounds of VOCs were removed from the extraction wells in 2020, bringing the total mass of VOCs removed from the extraction wells to approximately 7,540 pounds.

As shown on Figure 2-7, the introduction of the five new extraction wells has resulted in a greater proportion of BTEX and chlorobenzene in the total VOC removal by the groundwater extraction system. Of the mass of VOCs removed from the extraction wells in 2020, approximately 70% was BTEX and 6% was chlorobenzene, with CVOCs accounting for the remaining 24%. In contrast, from March 2008 (when operation of the initial extraction wells began) through 2014 (before the new extraction wells were put into operation), BTEX and chlorobenzene accounted for approximately 44% and 4%, respectively, of the VOCs removed; CVOCs accounted for approximately 52% of the VOCs removed through 2014.

As shown on Table 2-7, CVOCs were the dominant VOCs removed from extraction wells EW-1 and EW-2 in 2020, followed by BTEX and chlorobenzene. TCE is the primary VOC in both EW-1 and EW-2. These two extraction wells have similar chemical signatures with an average of 83% CVOCs, 15% BTEX and 2% chlorobenzene. Unlike EW-1 and EW-2, BTEX are the primary VOCs in EW-4 through EW-6, followed by CVOCs and chlorobenzene. Further, cDCE is the predominant CVOC in these three extraction wells, rather than TCE. Extraction wells EW-4 through EW-6 have similar chemical signatures with an average of 82% BTEX, 10% CVOCs and 8% chlorobenzene. Extraction wells EW-4 and EW-5 have a higher proportion of BTEX than extraction well EW-6; also, EW-4 and EW-6 have higher concentrations of CVOCs, followed by chlorobenzene, while extraction well EW-5 has similar concentrations of CVOCs and chlorobenzene. Extraction wells EW-3, EW-7 and EW-8 have an even higher proportion of BTEX, with an average of 92%. EW-3, EW-7 and EW-8 have higher concentrations of chlorobenzene, followed by CVOCs, with averages of 6% and 2%, respectively.

As shown on Table 2-8, EW-2 accounts for the highest percentage of cumulative mass removed by the extraction wells, at approximately 35% of the total mass removed, due to its long period of operation (versus the five new extraction wells) and its higher flow rate (versus EW-1 and EW-3). The cumulative mass of VOCs removed from extraction well EW-2 since its operation began in late March 2008 through December 2020 is approximately 2,647 pounds. As shown on Table 2-8, the extraction wells with the second and third highest cumulative mass removed are EW-6 and EW-7, with approximately 1,895 pounds and 1,152 pounds removed, respectively; EW-6 and EW-7 represent 25% and 15%, respectively, of the cumulative mass removed from the groundwater extraction system.

The mass of VOCs removed from the five remaining extraction wells account for the remaining 25% of the cumulative mass removed by the groundwater extraction system. As shown on Table 2-8, extraction wells EW-4 and EW-3 have the fourth and fifth highest cumulative mass removed, with approximately 761 and 506 pounds (or 10% and 7%), respectively, of the cumulative mass removed from the groundwater extraction system. Extraction wells EW-1, EW-5 and EW-8 have removed the least cumulative mass, at approximately 310, 253 and 13 pounds (or 4%, 3% and <1%), respectively, of the total cumulative mass removed. This is primarily due to the lower

concentrations in these three extraction wells, which are located farther from the Landfill than the other five extraction wells (i.e., EW-5 and EW-8 are located downgradient from EW-4 and EW-7, respectively, and EW-1 is located downgradient from EW-2).

3. GROUNDWATER ELEVATIONS

A conceptual site model (CSM) of the hydrogeologic system at the Landfill and in the area of the bedrock VOC plume has been developed based on information obtained during various investigations performed at the Site. The CSM presented in the SCSR Addendum was updated based on comments provided by USEPA during the February 12, 2020 meeting with Respondents and was included as part of the Treatability Testing Work Plan (TTWP) (Ramboll, 2020). As discussed in the TTWP, the CSM includes two hydrogeologic units: the overburden materials and the bedrock unit. The bedrock hydrogeologic unit at the Site has historically been divided into shallow bedrock and deep bedrock based on the completion depths of the monitoring wells installed during the various investigations. The shallow bedrock has included the more weathered portion of the Nassau Formation and seems to comprise the upper 100 feet of the bedrock, the uppermost portion of which occasionally includes clay from the in-place weathering of the bedrock. The deep bedrock has included all the bedrock below the shallow bedrock. While there appears to be no geologic basis to distinguish between the shallow and deep bedrock units, there does appear to be hydraulic differences. As discussed in the SCSR Addendum, bedrock permeability generally decreases below a depth of 225 feet.

As discussed in the TTWP, overburden groundwater at the Landfill changed after construction of the containment system in 1984, and more recently as a result of the groundwater extraction system south of the Landfill. When the containment system was constructed in 1984, there was a “pivot” in the water table with a decline in the eastern portion (creating or augmenting outward and downward hydraulic gradients). However, over the past few years, the water table has dropped below the base of the clay cap due to both the low-permeability and thickness of the cap materials and the effects of the groundwater extraction system south of the Landfill. Due to the water table decline, a vadose zone now exists under the clay cap that was not initially present.

Prior to groundwater extraction, the water table at the Landfill was within the clay cap. The groundwater extraction system has caused a decrease in bedrock water levels, which has caused a decrease in overburden water levels, particularly within and outside the western half of the containment system. The presence of a dense till layer beneath the overburden throughout the western and middle portions of the containment system limits the amount of vertical groundwater flow between the overburden and bedrock where the dense till is present due to its low vertical permeability. This dense till layer is very thin or absent in the eastern portion of the containment system, which, coupled with the potential for groundwater in the eastern portion to no longer flow inward and upward, suggests less groundwater enters the containment system in the eastern portion of the Landfill, and thus there is less groundwater flow from east to west toward the leachate collection system.

Outside the containment system, overburden groundwater flow is directed laterally towards natural streams, wetlands and manmade surface features (e.g., drainage ditches). There is also a downward component of flow from the overburden hydrogeologic unit into the underlying bedrock hydrogeologic unit owing to the natural downward hydraulic gradient.

As discussed in the SCSR Addendum, bedrock groundwater flow under isotropic conditions (i.e., where aquifer properties are the same regardless of the direction of measurement) would be to the west in the area near the Landfill, and to the west-southwest in the area south of the Landfill.

However, based on the distribution of VOCs in bedrock groundwater, anisotropic conditions, which often occur in bedrock due to fractures, faults and folds in the bedrock, appear to dominate, resulting in groundwater flow to the south and south-southwest.

3.1 Semi-Annual Water Level Measurements

In accordance with the approved GWMP, water level measurements were obtained from 24 monitoring wells outside the Landfill and five multi-level monitoring wells (EPA-1, EPA-2, EPA-3, EPA-4 and EPA-5)² on June 15 and November 9, 2020 and are presented in Tables 3-1 and 3-2, respectively.³ Both rounds of semi-annual water level measurements were obtained under pumping conditions.

3.2 Quarterly Fluid Monitoring

In accordance with Section 2.2.2 of the Pump and Truck Work Plan (Arcadis, 2012), fluid level measurements (i.e., groundwater and/or light non-aqueous phase liquid [LNAPL], where present) were obtained from 48 monitoring wells located inside the perimeter fence of the Landfill on a quarterly basis.⁴ Fluid level measurements were obtained on March 5, June 15, August 24, and November 9, 2020 and are presented in Appendix A.

² Bedrock boreholes EPA-1 through EPA-5 were completed into multi-level monitoring wells in July 2017 by installing FLUTE™ multi-level monitoring systems, per the USEPA-approved Appendix G Summary Report (OBG, 2015a).

³ Monitoring wells OMW-204, OMW-214 and OMW-219 were recompleted in May 2017 and OMW-204 was also deepened.

⁴ Although not a requirement of the Pump and Truck Work Plan, fluid level measurements were also obtained on August 24 and November 9, 2020 from several of the monitoring wells installed during the RI inside the containment system. This additional work was performed in conjunction with preparation of the TTWP. The fluid level measurements from the additional monitoring wells are also provided in Appendix A for completeness.

4. GROUNDWATER MONITORING

4.1 General

Routine groundwater sampling was performed by Ramboll on a semi-annual basis in 2020. The first event was performed from June 16 through 23, 2020, while the second event was performed from November 10 through 18, 2020; both events were performed in conjunction with supplemental groundwater sampling at select monitoring wells and FLUTE™ multi-level monitoring ports that was performed at the request of USEPA during a February 12, 2020 meeting with the Respondents. The semi-annual sampling activities are discussed further in Section 4.2. The data generated as part of the supplemental groundwater sampling in Spring 2020 were reported in the August 2020 Monthly Progress Report (MPR), and will be discussed in the revised SCSR Addendum.⁵ Tables 4-1 and 4-2 detail which monitoring wells were sampled during the routine Spring and Fall 2020 groundwater sampling events and which analyses were performed on those samples. The final field parameters measured at each monitoring well during the Spring and Fall 2020 sampling events are summarized in Tables 4-3 and 4-4, respectively.

Groundwater samples were analyzed for VOCs using USEPA SW-846 Method 8260C and 1,4-dioxane using USEPA SW-846 Method 8270D selected ion monitoring (SIM) for both sampling events. The results for VOCs and 1,4-dioxane sampled as part of the approved GWMP are discussed in this report; the results of the additional analyses collected at the request of the USEPA will be summarized in the revised SCSR Addendum. Eurofins Lancaster Laboratories Environmental, LLC (ELLE) of Lancaster, Pennsylvania and Eurofins TestAmerica in Edison, New Jersey⁶ performed the analyses on the groundwater samples collected during the Spring 2020 sampling event. ELLE performed the analyses on the groundwater samples collected during the Fall 2020 sampling event.

Upon receipt of the groundwater quality data, a data quality review was performed and is summarized in Section 4.3 and Appendix D. The groundwater quality data are discussed in Section 4.4. The detected constituents for the groundwater samples are summarized in Tables 4-5 through 4-8. The constituents detected through time at the monitoring wells and FLUTE™ multi-level monitoring well ports are summarized in Appendix B. The field sampling forms and chain-of-custody forms are provided in Appendices C.1 through C.4. Laboratory reporting sheets for the Spring and Fall 2020 sampling event are provided in Appendix E.1 and E.2, respectively.

Extraction wells EW-1 through EW-8 were sampled on August 26, 2020. The sampling event was conducted by Arcadis and is discussed in Section 4.5. Table 4-9 summarizes the analytical results of the samples collected in 2020 from the eight extraction wells, and Table 4-10 summarizes the results of a Mann-Kendall trend analysis on four years of quarterly analytical results (16 sampling events spanning 2016 through 2019). The laboratory reporting sheets are provided in Appendix F.

⁵ In addition, at the request of USEPA, additional groundwater samples were collected during the Fall 2020 sampling event for compound-specific stable isotope analysis (CSIA). The additional CSIA was performed by Microbial Insights, Inc. of Knoxville, Tennessee, and the results were reported in the February 2020 MPR and will be discussed in the revised SCSR Addendum.

⁶ Select samples collected during the Spring 2020 groundwater sampling event were analyzed by Eurofins TestAmerica in Edison, New Jersey in addition to ELLE in Lancaster, Pennsylvania due to analytical instrument malfunctions and the subsequent reduction and analysis capacity.

As discussed in Section 2.1 above, samples were not collected from the leachate collection system in 2020 due to low water levels in the Landfill in 2020. A brief discussion of historical sampling results is presented in Section 4.6.

Arcadis also collected samples on a quarterly basis in 2020 from the residential POU treatment systems using the sampling procedures presented in Attachment A of Appendix J of the DR/IP. As approved by USEPA, the sampling frequency for New York State Department of Health (NYSDOH) Well 1 was changed from quarterly to semi-annually in 2020 due to the very low water usage at that residence. The results for the treatment system influent samples (i.e., the discharge from the residential well pumps) are discussed in Section 4.7. Table 4-12 summarizes the results of the influent samples for the residential POU treatment systems, and Table 4-13 summarizes the results of a Mann-Kendall trend analysis on four years of quarterly analytical results (16 sampling events spanning 2016 through 2019).

4.2 Groundwater Sampling

Monitoring wells and multi-level monitoring well ports included in the GWMP were sampled from June 16 through 23, 2020, and from November 10 through 18, 2020 in accordance with Appendix B of the Quality Assurance Project Plan (QAPP) (OBG, 2015). Monitoring wells were sampled using low-flow sampling methods, with the exceptions of OMW-221 (which is an artesian well) and EPA-1 through EPA-5 (which are FLUTe™ multi-level monitoring wells). OMW-221 was purged of one well volume and then sampled using low-flow sampling methods, while the monitoring intervals in EPA-1 through EPA-5 were sampled conventionally (i.e., purging of well volumes). During low-flow purging, field parameters, including temperature, pH, specific conductance, oxidation-reduction potential (ORP), dissolved oxygen (DO) and turbidity were measured and recorded at three to five-minute intervals using a flow-through cell. During conventional purging, field parameters were measured and recorded after each well volume was purged from each port in EPA-1 through EPA-5 by submersing the water quality sonde in a cup of purge water. Purging was concluded when the low-flow field parameters stabilized for three consecutive readings as follows:

- pH within ± 0.1 standard units (SU)
- Specific conductivity within $\pm 3\%$
- ORP within ± 10 millivolts (mV)
- DO and turbidity within $\pm 10\%$.

Purging for the FLUTe™ multi-level monitoring wells was completed following removal of four purge strokes from each of the individual ports regardless of field parameter stabilization.

Summaries of the final field parameters recorded for each monitoring well and FLUTe™ multi-level monitoring well port are provided in Tables 4-3 and 4-4 for the Spring and Fall 2020 events, respectively, while field sampling sheets are provided in Appendices C.1 and C.3.

After purging was concluded, the flow-through cell was disconnected and groundwater samples were collected in laboratory-provided sample containers. Samples were preserved in coolers containing wet ice and were transported under chain-of-custody to the laboratory for analysis. Copies of the chain-of-custody forms are provided in Appendices C.2 and C.4.

4.3 Data Quality Review

A data quality review was performed on the 2020 groundwater data for VOCs and 1,4-dioxane and is provided in Appendix D. The analytical data from the semi-annual groundwater sampling events are summarized in a detects-only tabular format in Tables 4-5 through 4-8, while the analytical result forms for the Spring and Fall 2020 sampling events are presented in Appendices E.1 and E.2, respectively.

During the Spring and Fall 2020 data quality reviews, the VOC and 1,4-dioxane data were assessed to verify that the measurement was conducted in accordance with the quality assurance criteria specified for that measurement. Data usability was established and documented using the following data qualifiers:

"J" Indicates that the detected concentration should be considered an estimated value. The decision to add the "J" qualifier is based on the quantitative criteria contained in data validation guidelines. The identity of the analyte is not brought into question. However, the "J" qualifier results in a loss of confidence in the accuracy of the detected concentration, and, therefore is presented as an estimated value. The "J" qualifier is also applied to concentrations detected above the method detection limit, but below the Practical Quantitation Limit.

For the semi-annual groundwater sampling events performed in 2020, 100% of the data collected under the groundwater monitoring program are considered usable for qualitative and quantitative purposes. Less than 0.5% of the Spring and Fall 2020 data were qualified.

4.4 Groundwater Quality

As shown on Tables 4-1 and 4-2, groundwater samples were collected from up to 25 monitoring wells and FLUTe™ multi-level monitoring well ports during the semi-annual sampling events and analyzed for VOCs and 1,4-dioxane. As mentioned above, select monitoring wells and FLUTe™ multi-level monitoring well ports were sampled for VOCs and 1,4-dioxane during the Spring and Fall 2020 sampling events at the request of USEPA. The groundwater quality discussion below focuses on the parameters collected under the approved GWMP (i.e., VOCs and 1,4-dioxane in the wells included in the routine semi-annual and annual sampling program). A discussion of the results of the additional analyses performed in accordance with the RI/FS Work Plan will be provided in the revised SCSR Addendum.

Five monitoring wells included in the groundwater monitoring program could not be sampled during the Spring and/or Fall 2020 groundwater sampling events. Overburden monitoring wells OMW-101 and OMW-211 (located outside the Landfill along the middle and southern portions of the southwestern edge of the cut-off wall, respectively) were dry at the time of sampling, as they have been for the past five and nine years, respectively. Bedrock monitoring wells OMW-204 (located outside the Landfill along the southern portion of the southwestern edge of the cut-off wall) and OMW-213 (located outside the Landfill in the vicinity of extraction wells EW-3 and EW-5 and paired with OMW-219) had minimal water to collect low-flow samples or were dry at the time of sampling, as they have been for the past six and five years, respectively. The shallow bedrock port in FLUTe™ multi-level monitoring well EPA-3 (EPA-3A) was also dry at the time of sampling, as it has been for the past two years. FLUTe™ multi-level monitoring well EPA-3 is located southwest of the Landfill and west of OMW-202, OMW-213, OMW-215 and OMW-219.

4.4.1 Volatile Organic Compound Analyses

The detected VOCs for the Spring and Fall 2020 groundwater sampling events are summarized on Tables 4-5 and 4-7, respectively.

Trend graphs showing the historical concentrations of BTEX, CVOCs and chlorobenzene in overburden monitoring wells OMW-101 and OMW-107 are presented on Figures 4-1 and 4-2, respectively. As discussed above, monitoring well OMW-101 was dry at the time of sampling so no sample was collected in 2020. However, as shown on Figure 4-1, BTEX, CVOCs and chlorobenzene were not detected in OMW-101 in the past 16 years with two exceptions; benzene and chlorobenzene were detected at concentrations below 5 micrograms per liter ($\mu\text{g/L}$) in 2014. Monitoring well OMW-107, located north of Mead Road along the western portion of the northern edge of the Landfill, is sampled biennially and was not sampled in 2020. However, as shown on Figure 4-2, chlorobenzene has been consistently detected during the past eight years at concentrations well below the Class GA standard of 5 $\mu\text{g/L}$ in monitoring well OMW-107. Benzene has been historically detected in this monitoring well four times in the past 28 years, but until 2019, had not been detected since 1995. The three historical benzene detections were above the Class GA standard of 1 $\mu\text{g/L}$, while the 2019 detection was well below the Class GA standard at an estimated concentration of 0.2 $\mu\text{g/L}$. Toluene has not been historically detected in this monitoring well over the past 28 years; however, it was detected in 2019 at an estimated concentration of 0.6 $\mu\text{g/L}$, which is well below the Class GA standard of 5 $\mu\text{g/L}$.

The discussion below focuses on bedrock groundwater quality and is broken into three sections: BTEX; CVOCs; and chlorobenzene. The following monitoring wells did not have detected concentrations of BTEX, CVOCs or chlorobenzene in 2020, which is consistent with recent and/or historical results:

- Monitoring well OMW-218, located outside the Landfill at the middle of the southwestern edge of the cut-off wall
- Monitoring well OMW-103, located immediately south of the Landfill⁷
- FLUTE™ multi-level monitoring well EPA-5, located southeast of the Landfill to the east of extraction well EW-1
- Monitoring wells OMW-222 and OMW-223, located along Central Nassau Road.

The monitoring wells listed above are not included in the following discussion, and trend graphs are not provided.

Dot plots showing the maximum concentrations of BTEX, CVOCs and chlorobenzene in monitoring wells, extraction wells and residential supply wells around the Landfill are not included in this report but will be provided in the revised SCSR Addendum.

BTEX

BTEX was primarily detected in bedrock wells to the south and southwest of the Landfill. The highest concentrations of BTEX were detected near the edge of the Landfill with decreasing concentrations to the south and southwest. The maximum concentration of BTEX detected was

⁷ Toluene was detected in monitoring well OMW-103 in groundwater samples collected in Fall 2016 and Fall 2017 at concentrations of 7.6 $\mu\text{g/L}$ and 300 $\mu\text{g/L}$, respectively. Prior to 2017, toluene had not been detected in this monitoring well since 1996. Toluene was not detected in groundwater samples collected in 2020.

16,270 µg/L in OMW-201, a shallow bedrock well located outside the Landfill near the middle of the southwestern edge of the cut-off wall. The majority of the BTEX detected in 2020 was benzene, as discussed below.

As shown on Figures 4-3 through 4-5, benzene has consistently been detected in shallow bedrock monitoring wells OMW-102 and OMW-201 and in deep bedrock monitoring well OMW-215, which are located outside the Landfill near the middle or along the southern portion of the southwestern edge of the cut-off wall. Of the nine dominant VOCs in Site groundwater, benzene is the primary VOC detected in these three monitoring wells. In 2020, detected concentrations of benzene were consistent with historical results in OMW-102, OMW-201 and OMW-215. Benzene was consistently detected between approximately 10,000 µg/L and 50,000 µg/L in monitoring well OMW-201, except for the Fall 2012 sampling event. Benzene was consistently detected in OMW-102 since sampling began in 1992 and concentrations are between approximately 5 µg/L to approximately 10,000 µg/L. Benzene was consistently detected at concentrations one to two orders of magnitude lower in deep bedrock monitoring well OMW-215, which is farther from the Landfill than both OMW-102 and OMW-201. Concentrations of benzene at OMW-215 have also decreased from 1,660 µg/L in 2008 (when the three original extraction wells were placed into operation) to 79 µg/L in 2020, which represents a decrease of two orders of magnitude.

Benzene was detected in shallow bedrock monitoring well OMW-202 for the sixth consecutive year but had previously not been detected since 2004. OMW-202 is located along the southern portion of the southwestern edge of the cut-off wall and is paired with deep bedrock monitoring well OMW-215. The benzene detections at OMW-202 also coincide with a change in water level elevations following the start-up of extraction wells EW-4 through EW-8 in mid to late 2015.

As shown on Figures 4-6 through 4-8, benzene has also been consistently detected in shallow bedrock monitoring wells OMW-213⁸ and OMW-205, and in deep bedrock monitoring well OMW-219⁹, which are located south of the Landfill in the vicinity of extraction wells EW-3 and EW-5. Benzene has consistently been detected at concentrations one to two orders of magnitude higher in deep bedrock monitoring well OMW-219 than in OMW-205 and OMW-213.

Concentrations of benzene decrease as the distance from the Landfill increases. Benzene was detected in 2020 in each of the monitoring intervals (i.e., ports) at FLUTE™ multi-level monitoring wells EPA-1 through EPA-3 at concentrations two to four orders of magnitude lower than concentrations detected in the vicinity of the Landfill. Benzene and other BTEX compounds are the primary VOCs detected in the three ports in FLUTE™ multi-level monitoring well EPA-3¹⁰ (as shown on Figures 4-9 through 4-11), but are not the primary VOCs detected in multi-level monitoring wells EPA-1 and EPA-2. EPA-3 is located southwest of the Landfill and west of OMW-202, OMW-213, OMW-215 and OMW-219, while EPA-1 is located south of the Landfill in the vicinity of extraction well EW-1 and EPA-2 is located south of the Landfill on the north side of Central Nassau Road.

⁸ Monitoring well OMW-213 was dry at the time of sampling (and has been since Fall 2015), so no samples were collected in 2020.

⁹ Monitoring well OMW-219 could not be sampled from Fall 2012 through Fall 2016 because the well was damaged. The monitoring well was recompleted in May 2017 prior to the Spring 2017 sampling event. Monitoring well OMW-219 was not sampled during the Fall 2018 sampling event because the water level drawdown due to the nearby extraction wells lowered the water level below the intake of the pump. The dedicated pump at OMW-219 was re-constructed during the Spring 2019 sampling event to account for the lower water level.

¹⁰ The shallow bedrock port of FLUTE™ multi-level monitoring well EPA-3 (EPA-3A) was dry at the time of sampling during both the Spring and Fall 2020 groundwater sampling events, so no samples were collected from this port in 2020.

Benzene was not detected in FLUTE™ multi-level monitoring well EPA-4, which is located southwest of FLUTE™ multi-level monitoring well EPA-1, much farther from the Landfill.

As shown on Figure 4-4, toluene, ethylbenzene, m&p-xylenes and o-xylene have been consistently detected in monitoring well OMW-201. As shown on Figure 4-5, toluene has been consistently detected in deep bedrock monitoring well OMW-215, while m&p-xylenes were detected in 2014 (the first detection in eight years) but have not been detected since 2014. Ethylbenzene has been detected sporadically in monitoring wells OMW-102 and OMW-215 as shown on Figures 4-3 and 4-5, respectively. Xylenes have not been detected in wells OMW-102 and OMW-215 within the past 18 and six years, respectively.¹¹

Toluene was detected in each of the ports at FLUTE™ multi-level monitoring wells EPA-1 and EPA-3 during the Spring and Fall 2020 sampling events and EPA-4B during the Fall 2020 sampling event. Toluene was not detected in the shallow bedrock port at EPA-4 (EPA-4A) during the Fall 2020 sampling event. Toluene was also not detected in FLUTE™ multi-level monitoring well EPA-2 during the Spring and Fall 2020 sampling events. Detected concentrations ranged from an estimated 0.48 µg/L in the deep bedrock port of EPA-3 (EPA-3B) to 3.7 µg/L in the deep bedrock port of EPA-4 (EPA-4B) during the Fall 2020 sampling event. Although toluene has been consistently detected at FLUTE™ multi-level monitoring well EPA-4, its isolated detections at decreasing concentrations without other Site-related VOCs (e.g., benzene, TCE) are anomalous.¹² Concentrations of toluene detected at FLUTE™ multi-level monitoring wells EPA-1 and EPA-3 during the Spring and Fall 2020 sampling events and EPA-4B in the Fall 2020 sampling event were all below the Class GA standard of 5 µg/L. Ethylbenzene, m&p-xylenes and o-xylene were not detected in the FLUTE™ multi-level monitoring wells in 2020.

Consistent with recent results, monitoring wells OMW-214 and OMW-221 did not have detected concentrations of BTEX in 2020. Monitoring well OMW-214 is located south of the Landfill and east of extraction well EW-2, while monitoring well OMW-221 is located to the south of Central Nassau Road.

Chlorinated VOCs

CVOCs were primarily detected in bedrock wells to the south of the Landfill. The highest concentration of CVOCs was detected in the shallow bedrock port of FLUTE™ multi-level monitoring well EPA-1 (EPA-1A) at a concentration of approximately 2,121 µg/L. The CVOCs detected south of the Landfill generally consist of TCE and cDCE, with sporadic detections of vinyl chloride, as discussed below.

As shown on Figure 4-6, TCE and cDCE were consistently detected in the past nine years in monitoring well OMW-213,¹³ with TCE concentrations exceeding cDCE concentrations; vinyl chloride was detected sporadically. Conversely, as shown in Figure 4-7, cDCE was consistently detected in monitoring well OMW-205; vinyl chloride has also been consistently detected since

¹¹ m&p- and o-Xylenes have also not been detected in OMW-213 within the past 22 years.

¹² Multi-level monitoring wells EPA-1 through EPA-5 use the Water FLUTE™ system to line the borehole while creating sample ports at specific depth intervals. Based on information from the vendor, FLUTE™ liners can leach toluene for up to three months. Refer to "Water FLUTE™ FAQs" at <https://www.flut.com/faqs>. The results of additional sampling at these multi-level monitoring wells should confirm or refute the persistence of toluene in multi-level monitoring well EPA-4.

¹³ Monitoring well OMW-213 was dry at the time of sampling (and has been since Fall 2015), so no samples were collected in 2020.

2012. TCE was detected sporadically, at concentrations below the vinyl chloride concentrations. These two shallow bedrock wells are located south of the Landfill to the west and east of extraction well EW-3, respectively. As shown on Figure 4-8, TCE, cDCE and vinyl chloride were detected in monitoring well OMW-219, the deep bedrock well paired with OMW-213; detected concentrations of cDCE were greater than concentrations of TCE and vinyl chloride. CVOCs had not been detected in OMW-219 since 2007, but have been detected at similar concentrations since the deep bedrock monitoring well was recompleted.¹⁴ Vinyl chloride was detected twice (once in 2013 and once in 2015) in shallow bedrock monitoring well OMW-201 at concentrations below 5 µg/L; these are the only detected concentrations of vinyl chloride in this monitoring well. cDCE was also detected in monitoring well OMW-201 in Fall 2013 (the first time in eight years) but has not been detected again since Fall 2013. This shallow bedrock monitoring well is located outside the Landfill near the middle of the southwestern edge of the cut-off wall.

CVOCs were also detected in two deep bedrock wells south of the Landfill. As shown on Figure 4-12, TCE and cDCE were consistently detected at similar concentrations (below the Class GA standard of 5 µg/L for the past 22 years) in monitoring well OMW-216, located east of extraction well EW-2. In monitoring well OMW-221, located south of Central Nassau Road and north of Valley Stream, TCE has been detected at concentrations below 10 µg/L since 2011, as shown on Figure 4-13. cDCE has been detected sporadically over the past several years at approximately an order of magnitude lower than TCE in monitoring well OMW-221. In 2020, CVOCs were detected at concentrations consistent with historical results in OMW-216 and OMW-221.

As mentioned above, CVOCs were detected at a concentration of approximately 2,121 µg/L in the shallow bedrock port at FLUTe™ multi-level monitoring well EPA-1 (EPA-1A), located south of the Landfill in the vicinity of extraction well EW-1. CVOCs were also detected in the two deeper bedrock ports (EPA-1B and EPA-1C) at this FLUTe™ multi-level monitoring well, at concentrations the same order of magnitude. As shown on Figures 4-14 through 4-16, TCE was originally the primary CVOC detected in FLUTe™ multi-level monitoring well EPA-1 and continues to be the primary CVOC in EPA-1A, while cDCE is now dominant in EPA-1B and EPA-1C. Vinyl chloride was detected consistently at concentrations one to three orders of magnitude lower than TCE and cDCE.

CVOCs were detected in multi-level monitoring well EPA-2 at concentrations ranging from 6.9 µg/L to approximately 196 µg/L, with the highest CVOC concentration in the deep bedrock port (EPA-2C). As shown on Figures 4-17 through 4-19, cDCE is the primary CVOC detected in the shallow bedrock port (EPA-2A), while TCE is the primary CVOC detected in the deeper bedrock ports (EPA-2B and EPA-2C). Vinyl chloride was not detected in shallow and deep bedrock ports EPA-2A and EPA-2B but was detected in EPA-2C at estimated concentrations of 0.28 µg/L and 0.20 µg/L during the Spring and Fall 2020 sampling events, respectively. FLUTe™ multi-level monitoring well EPA-2 is located south of the Landfill, on the north side of Central Nassau Road.

CVOCs were detected in the deeper bedrock ports of FLUTe™ multi-level monitoring well EPA-3 (EPA-3B and EPA-3C) at a maximum estimated concentration of 1.5 µg/L, as shown on Figures 4-

¹⁴ Monitoring well OMW-219 could not be sampled from Fall 2012 through Fall 2016 because the well was damaged. The monitoring well was recompleted in May 2017 prior to the Spring 2017 sampling event. Monitoring well OMW-219 was not sampled during the Fall 2018 sampling event because the water level drawdown due to the nearby extraction wells lowered the water level below the intake of the pump. The dedicated pump at OMW-219 was re-constructed during the Spring 2019 sampling event to account for the lower water level.

10 and 4-11, respectively. CVOCs have not been detected in the shallow bedrock port of EPA-3 (EPA-3A).¹⁵ Multi-level monitoring well EPA-3 is located southwest of the Landfill and west of OMW-202, OMW-213, OMW-215 and OMW-219.

Monitoring wells OMW-102, OMW-201 and OMW-215, located to the west and southwest of the Landfill, did not have detected concentrations of CVOCs in 2020, which is consistent with recent results. In addition, CVOCs were not detected in the shallow or deep bedrock at FLUTE™ multi-level monitoring well EPA-4; FLUTE™ multi-level monitoring well EPA-4 is located southwest of FLUTE™ multi-level monitoring well EPA-1.

Chlorobenzene

Chlorobenzene was primarily detected in bedrock groundwater to the west and south of the Landfill, with concentrations decreasing as the distance from the Landfill increases. Although chlorobenzene was detected in a similar group of wells as BTEX and CVOCs, chlorobenzene concentrations are typically lower than those of BTEX and CVOCs.

In monitoring wells located to the southwest of the Landfill (i.e., OMW-102, OMW-201, OMW-215, OMW-213¹⁶ and OMW-219;¹⁷ see Figures 4-3 through 4-6 and Figure 4-8), chlorobenzene was not the primary detected VOC. However, chlorobenzene was the primary detected VOC in monitoring wells located to the immediate south of the Landfill (i.e., OMW-205, OMW-216 and, historically, OMW-214; see Figures 4-7, 4-12 and 4-20). Chlorobenzene has been detected consistently in the eight wells listed above, except for OMW-214 (which was non-detect in 2017 and Spring 2018), as well as to the southwest and south of the Landfill, and concentrations have shown little variability. Concentrations of chlorobenzene are higher in the shallow bedrock (e.g., in monitoring well OMW-205), with detected concentrations one order of magnitude higher than in the deeper portions of the bedrock (e.g., in monitoring well OMW-216), where chlorobenzene is detected at or below the Class GA standard of 5 µg/L.

Chlorobenzene has been consistently detected in FLUTE™ multi-level monitoring well EPA-1, as shown on Figures 4-14 through 4-16, with the highest concentrations (below 15 µg/L) in the shallow bedrock port (EPA-1A). Chlorobenzene has also been consistently detected at concentrations below 2 µg/L (and below the Class GA standard of 5 µg/L) in the deepest bedrock port in FLUTE™ multi-level monitoring well EPA-2 (EPA-2C), as shown on Figure 4-19. FLUTE™ multi-level monitoring well EPA-1 is located south of the Landfill in the vicinity of extraction well EW-1, while FLUTE™ multi-level monitoring well EPA-2 is located south of the Landfill on the north side of Central Nassau Road.

Consistent with historical results, monitoring well OMW-221, located to the south, did not have detectable concentrations of chlorobenzene in 2020. In addition, chlorobenzene was not detected in the two upper bedrock ports at FLUTE™ multi-level monitoring well EPA-2 (i.e., EPA-2A and EPA-2B) and in FLUTE™ multi-level monitoring well EPA-4. Chlorobenzene was detected in 2020

¹⁵ The shallow bedrock port of FLUTE™ multi-level monitoring well EPA-3 (EPA-3A) was dry at the time of sampling during the Spring and Fall 2020 groundwater sampling events, so no samples were collected from this port in 2020.

¹⁶ Monitoring well OMW-213 was dry at the time of sampling (and has been since fall of 2015), so no samples were collected in 2020.

¹⁷ Monitoring well OMW-219 could not be sampled from Fall 2012 through Fall 2016 because the well was damaged. The monitoring well was recompleted in May 2017 prior to the Spring 2017 sampling event. Monitoring well OMW-219 was not sampled during the Fall 2018 sampling event because the water level drawdown due to the nearby extraction wells lowered the water level below the intake of the pump. The dedicated pump at OMW-219 was re-constructed during the Spring 2019 sampling event to account for the lower water level.

in monitoring well OMW-202 and in FLUTE™ multi-level monitoring well EPA-3 (EPA-3B and EPA-3C).¹⁸ OMW-202 is located along the southern portion of the southwestern edge of the cut-off wall and is paired with deep bedrock monitoring well OMW-215. FLUTE™ multi-level monitoring well EPA-3 is located southwest of the Landfill and west of OMW-202, OMW-213, OMW-215 and OMW-219, while FLUTE™ multi-level monitoring well EPA-4 is located southwest of EPA-1.

4.4.2 1,4-Dioxane Analyses

Groundwater samples were collected and analyzed for 1,4-dioxane from four bedrock monitoring wells under the approved GWMP during the Spring 2020 groundwater sampling event. Select monitoring wells and FLUTE™ multi-level monitoring ports were also sampled during the Spring 2020 groundwater sampling event for 1,4-dioxane analyses at the request of USEPA under the RI/FS Work Plan. During the Fall 2020 sampling event, 1,4-dioxane was sampled from 19 bedrock monitoring wells and FLUTE™ multi-level monitoring well ports pursuant to the GWMP.

The 1,4-dioxane concentrations detected during the Spring and Fall 2020 groundwater sampling events are summarized on Tables 4-6 and 4-8, respectively.¹⁹ 1,4-Dioxane was detected at concentrations ranging from 0.32 µg/L at FLUTE™ deep bedrock port EPA-2C (located along Central Nassau Road) to 750 µg/L at monitoring well OMW-201 (a shallow bedrock well located outside the Landfill near the middle of the southwestern edge of the cut-off wall).

1,4-Dioxane is primarily detected in bedrock groundwater to the immediate west and south of the Landfill. As shown on Figures 4-21 and 4-22, the 1,4-dioxane concentrations detected in monitoring well and FLUTE™ multi-level monitoring well samples collected during the Spring and Fall 2020 groundwater sampling events under the approved GWMP are generally consistent with concentrations detected previously.

4.5 Extraction Well Water Quality

Groundwater samples were collected by Arcadis from the eight existing extraction wells (EW-1 through EW-8) on August 26, 2020. Per Table 1 in Appendix J of the DR/IP, the annual samples collected from the eight extraction wells were analyzed for VOCs using USEPA SW-846 Method 8260C, semi-volatile organic compounds (SVOCs) using USEPA SW-846 Method 8270D, 1,4-dioxane using USEPA SW-846 Method 8270D SIM, polychlorinated biphenyls (PCBs) using USEPA SW-846 Method 8082A and Target Analyte List (TAL) metals using USEPA SW-846 Method 6010C. A blind duplicate sample was collected from EW-8.

Arcadis submitted the samples to Pace Analytical Services, Inc. (Pace). Pace's Melville, New York laboratory analyzed the samples collected for VOCs, SVOCs, and TAL metals, while Pace's Greensburg, Pennsylvania laboratory analyzed the samples collected for PCBs. Pace subcontracted the sample analyses of 1,4-dioxane to ALS Environmental (ALS) in Rochester, New York.

The results of the 2020 extraction well sampling event are summarized on Table 4-9.

¹⁸ The shallow bedrock port of FLUTE™ multi-level monitoring well EPA-3 (EPA-3A) was dry at the time of sampling during the Spring and Fall 2020 groundwater sampling events, so no samples were collected from this port in 2020.

¹⁹ Table 4-6 includes the 1,4-dioxane results from the four monitoring wells that were sampled pursuant to the approved GWMP. The results for the additional monitoring wells and FLUTE™ multi-level monitoring ports sampled for 1,4-dioxane during the Spring 2020 sampling event at the request of USEPA under the RI/FS Work Plan were included in the August 2020 MPR and will be summarized in the revised SCSR Addendum.

4.5.1 Volatile Organic Compound Analyses

Trend graphs showing the concentrations of BTEX, CVOCs, and chlorobenzene in extraction wells EW-1 through EW-8 are provided in Figures 4-23 through 4-30.

As shown on Figures 4-23 through 4-30, BTEX compounds dominate in extraction wells EW-3 through EW-8. Benzene and toluene are the primary BTEX compounds detected in extraction wells EW-3, EW-4, EW-5, EW-6 and EW-7, while benzene is the primary BTEX compound detected in extraction well EW-8. Conversely, as shown on Figures 4-23 and 4-24, CVOCs are dominant in extraction wells EW-1 and EW-2.

The maximum concentrations of BTEX, CVOCs and chlorobenzene are generally higher in the extraction wells than they are in most other wells, excluding the monitoring wells located along the southwestern edge of the Landfill. Among the extraction wells, the total VOC concentrations in EW-4, EW-6 and EW-7 are generally higher than those in the other extraction wells (due primarily to elevated concentrations of BTEX compounds); these three extraction wells are located closest to the Landfill. The total VOC concentration in EW-2 is also elevated (due primarily to TCE); EW-2 is located to the south of and farther from the Landfill.

As shown on Figure 4-23, there are downward concentration trends in EW-1 since pumping began in 2008; EW-1 is the extraction well located farthest from the Landfill. As shown in Figures 4-24 and 4-25, concentrations in EW-2 and EW-3 have remained relatively consistent since pumping began in 2008, with a notable decrease in EW-3 beginning in 2016 (after the five new extraction wells were placed into operation in July through November 2015). Concentrations in four of the five newer extraction wells (EW-4 through EW-7) have remained relatively consistent since they were placed into operation, as shown in Figures 4-26 through 4-29, while concentrations appear to now be trending downward in extraction well EW-8 (Figure 4-30), which is located farther from the Landfill than extraction wells EW-4 through EW-7.

4.5.2 1,4-Dioxane Analyses

A trend graph showing the concentrations of 1,4-dioxane in extraction wells EW-1 through EW-8 is provided in Figure 4-32. As shown on Figure 4-32 and Table 4-9, the eight extraction wells were sampled for 1,4-dioxane annually in 2020. 1,4-Dioxane concentrations detected in the extraction wells ranged from 6.5 µg/L in extraction well EW-1 (located farthest from the Landfill) to 1,200 µg/L in extraction well EW-7 (the westernmost of the three extraction wells located closest to the Landfill).

Concentrations of 1,4-dioxane detected in the extraction wells in 2020 were generally consistent with historical results. As shown on Figure 4-32, the detected concentrations in EW-4, EW-5, EW-6 and EW-7 are generally higher than those in the other four extraction wells. This is primarily due to their proximity to the Landfill. However, there is also an east-west difference. For example, extraction wells EW-4, EW-6 and EW-7 are all located a similar distance from the Landfill, but the 1,4-dioxane concentrations in EW-4 are almost an order of magnitude lower than in EW-6 and EW-7, which are both located farther west than EW-4.

4.5.3 Mann-Kendall Trend Analyses for Volatile Organic Compounds and 1,4-Dioxane

A Mann-Kendall trend analysis was performed on the quarterly BTEX, CVOC, chlorobenzene and 1,4-dioxane results (a total of 10 constituents) collected from EW-1 through EW-8 over a four-year period (2016 through 2019), and the statistical results are summarized on Table 4-10. To provide meaningful statistical results, trends were identified using a 95% confidence interval. Insufficient detections prevented Mann-Kendall trend analysis for one constituent in extraction well EW-7 (i.e., TCE) and several constituents in extraction well EW-1 (ethylbenzene, m&p-xylenes, o-xylene and VC) and EW-8 (ethylbenzene, m&p-xylenes, o-xylene, TCE, cDCE and VC).

Extraction well EW-1 is located farthest from the Landfill. As shown on Table 4-10, six of the 10 constituents (benzene, toluene, TCE, cDCE, chlorobenzene and 1,4-dioxane) showed a statistically significant decreasing trend. As discussed above, Mann-Kendall trend analysis could not be performed for the remaining constituents (ethylbenzene, m&p-xylenes, o-xylene and VC) due to insufficient detections.

Extraction well EW-2 is located closer to the Landfill than EW-1, but farther away from the Landfill than the other six extraction wells. Four constituents showed a statistically significant decreasing trend in EW-2 (benzene, toluene, cDCE and 1,4-dioxane), and VC showed a statistically significant increasing trend. The other five constituents showed no statistically significant trend (i.e., they were stable over the four-year period).

Extraction wells EW-3, EW-5 and EW-8 are located closer to the Landfill than EW-2, but farther away from the Landfill than EW-4, EW-6 and EW-7. Five of the 10 constituents showed a statistically significant decreasing trend in EW-3 (benzene, TCE, cDCE, VC and 1,4-dioxane), three constituents showed a statistically significant increasing trend (ethylbenzene, m&p-xylenes and o-xylene) and two constituents showed no statistically significant trend (chlorobenzene and toluene). In EW-5, two of the 10 constituents showed a statistically significant decreasing trend (benzene and TCE), seven constituents showed a statistically significant increasing trend, and one constituent showed no statistically significant trend (cDCE). Four of the 10 constituents in EW-8 showed a statistically significant decreasing trend (benzene, chlorobenzene, toluene and 1,4-dioxane); the other six constituents did not have enough detections to perform Mann-Kendall trend analysis.

Extraction wells EW-4, EW-6 and EW-7 are closest to the Landfill and, as expected, show statistically significant decreasing trends for fewer constituents and statistically significant increasing trends for more constituents. In EW-4, two of the 10 constituents showed a statistically significant decreasing trend (benzene and TCE), seven constituents showed a statistically significant increasing trend, and one constituent showed no statistically significant trend (VC). Two of the 10 constituents showed a statistically significant decreasing trend in EW-6 (benzene and TCE), five constituents showed a statistically significant increasing trend, and three constituents showed no statistically significant trend (chlorobenzene, cDCE and VC). In EW-7, three of the 10 constituents showed a statistically significant decreasing trend (benzene, cDCE and VC); six of the constituents showed no statistically significant trend, no constituents showed a statistically significant increasing trend, and one constituent did not have enough detections to perform Mann-Kendall trend analysis (TCE).

4.5.4 Semi-Volatile Organic Compound Analyses

As shown on Table 4-9, the eight extraction wells (EW-1 through EW-8) were sampled for SVOCs in August 2020. SVOCs were not detected in extraction wells EW-1 or EW-8. 2,4-Dimethylphenol, 2-methylphenol and 3&4-methylphenol were detected in extraction wells EW-2 through EW-7 with one exception; 2-methylphenol was not detected in extraction well EW-7. Additionally, phenol was detected in extraction wells EW-2, EW-4 and EW-6. The highest concentrations of SVOCs were 3&4-methylphenol and phenol, which were detected at 2,540 µg/L and 989 µg/L, respectively, in extraction well EW-6 (one of the three extraction wells located closest to the Landfill). Naphthalene and pentachlorophenol were also detected at 9.5 µg/L and 16.5 µg/L, respectively, in EW-2. All other SVOCs were not detected.

4.5.5 PCB Analyses

As shown on Table 4-9, and consistent with prior data, PCBs were not detected in the samples collected from the eight extraction wells in 2020.

4.6 Leachate Collection System Monitoring Results

The leachate in the LCT was not sampled in 2020.²⁰ As discussed in Section 2.1, water levels in the Landfill remained low in 2020, which resulted in the collection of only 1,790 gallons of leachate.²¹

For historical reference, a trend graph showing the concentrations of BTEX, CVOCs and chlorobenzene in the leachate is provided in Figure 4-31, and a trend graph showing the concentrations of 1,4-dioxane in the leachate is provided in Figure 4-32.

4.7 Residential Well Monitoring

Residential well monitoring in the vicinity of the Landfill has been performed periodically since November 1979 and was initially performed by the Rensselaer County Department of Health (RCDOH) and subsequently NYSDOH. Under the residential well monitoring program, selected residential wells were, and continue to be, sampled on a periodic basis by Arcadis. The residential wells with POU treatment systems are sampled quarterly, except for NYSDOH well 1 which was switched to semi-annually in 2020 due to the very low water usage; bottled water is also provided. The sampling frequency for the other residential wells depends on direction and distance from the Landfill, with those downgradient (i.e., south) of the Landfill monitored more frequently than those located farther away and in other directions. Currently, a total of 28 residential wells (23 wells without POU treatment systems and five wells with POU treatment systems), are included in the monitoring program. The residential wells without POU treatment systems consist of the 20 residential wells that were included in the monitoring program that was being implemented under the oversight of NYSDEC, and three additional wells that were installed at new residences in 2012, 2014 and 2016; these three newer residential wells have been designated as NYSDOH wells 32, 33 and 34, respectively. Table 4-11 summarizes the residential wells, with and without POU treatment systems, that were sampled in 2020.

The properties currently being provided with bottled water are shown on Table 4-11. Each of these properties has a bottled water dispenser that the property owner(s) selected for their

²⁰ The leachate was last sampled in March 2016.

²¹ Due to lower water levels within the Landfill, a very small amount of leachate continues to flow into the leachate collection system. The 1,790 gallons of leachate pumped into the treatment system in 2020 were due to manual operation for equipment maintenance.

particular needs. Per current procedures, at least once per month the property owners are provided with a new supply of bottled water and the empty bottles are removed. The bottled water is currently provided by Culligan of Troy, New York.

Table 4-11 shows the sample collection dates and sample analyses in 2020 for the five residential wells (located on four properties) with POU treatment systems and the residential wells without POU treatment systems. Two residential wells scheduled to be sampled on a semi-annual basis (NYSDOH wells 16 and 18) were not sampled in 2020 due to COVID-19 concerns expressed by the owners. Two additional wells scheduled to be sampled on a semi-annual basis (NYSDOH wells 17 and 20) were not sampled in 2020 because the properties were unoccupied and the water was shut off at the time of sampling. Three additional wells, originally scheduled to be sampled in 2019 as part of the biennial sampling event (NYSDOH wells 6, 12 and 13) were instead sampled in 2020 because the properties were unoccupied and the water was shut off during the biennial event in 2019.

Residential well samples were submitted by Arcadis under chain-of-custody to Pace in Greensburg, Pennsylvania, which subcontracted the VOC analyses to ALS in Middletown Pennsylvania. The 1,4-dioxane analyses were subcontracted to ALS in Rochester, New York. VOCs were analyzed by USEPA Method 524.2, while 1,4-dioxane was analyzed by USEPA SW-846 Method 8270D SIM.

The results from the 2020 sampling of the residential wells with POU treatment systems are summarized in Table 4-12. Trend graphs of VOC concentrations for these five wells are presented in Figures 4-33 through 4-37; graphs are presented in both a linear and a semi-logarithmic scale. The laboratory results of the residential wells without POU treatment systems, while discussed briefly below, are not included in this report. Results are submitted to the property owners and are also submitted to NYSDOH, USEPA and NYSDEC.

4.7.1 Volatile Organic Compound Analyses

Consistent with historical results, BTEX, CVOCs and chlorobenzene were not detected in the residential wells located on Mead Road to the west of the Landfill. Also, BTEX, CVOCs and chlorobenzene were not detected in the residential wells located along Central Nassau Road to the east of FLUTe™ multi-level monitoring well EPA-5 (with the exception of an estimated detection of toluene at 0.16 µg/L in NYSDOH well 26) or to the west of the intersection of Central Nassau and Curtis Hill Roads (with the exception of an estimated detection of toluene at 0.15 µg/L in NYSDOH well 21).

As shown on Table 4-12 and Figure 4-33, toluene and chlorobenzene were the only VOCs of the nine dominant VOCs at the Site detected in NYSDOH well 1 during the 2020 sampling events, at maximum concentrations of 0.14 µg/L (estimated) and 0.55 µg/L, respectively. The detections were below the state drinking water standard of 5 µg/L for toluene and chlorobenzene. As shown in Figure 4-33 for NYSDOH well 1, sampling of this well was initiated in August 1988 and, with the exception of a detection of methylene chloride (recognized as a common laboratory contaminant) and 1,2-dichloroethane (1,2-DCA), both at a concentration of 1 µg/L, no VOCs were detected in this well until October 1995 when benzene was detected at 2.6 µg/L. The concentrations of VOCs, primarily benzene and chlorobenzene, increased through the late 1990s and then began a steady decline, with a significant drop in the concentration of chlorobenzene in

2008. Benzene was not detected in NYSDOH well 1 in 2020, but toluene was detected for the first time since 2008, albeit at a low concentration. Benzene, toluene, and chlorobenzene concentrations have been consistently at or below their state drinking water standards since 2012.

Figures 4-34 through 4-37 present concentration trend graphs for the four residential wells with POU treatment systems located on three properties south of the Landfill along Central Nassau Road. As shown in Figure 4-34 for NYSDOH well 23, sampling of this well was initiated in January 1993 and no VOCs were detected until June 2001. Between June 2001 and August 2004, TCE was the only VOC detected, at concentrations ranging from 0.6 to 11 µg/L. Since 2004, the VOCs have consisted primarily of TCE, benzene and cDCE. TCE has generally been detected at concentrations above the state drinking water standard of 5 µg/L, although it has only been detected above the state drinking water standard twice in the past eight quarters. Benzene and cDCE have both been typically below their state drinking water standards of 5 µg/L and over the last three years, benzene has been below the state drinking water standard except for one detection in 2018. As mentioned above, TCE exceeded the state drinking water standard during the second quarter 2019 sampling event and during the first quarter 2020 sampling event with a maximum concentration of 22 µg/L in 2019. Benzene and cDCE (detected only during the first quarter event) were below their state drinking water standards, with maximum concentrations of 0.52 µg/L and 0.61 µg/L, respectively.

As shown in Figures 4-35 and 4-36 for NYSDOH wells 24S and 24D, detected VOC concentrations, including TCE, benzene, cDCE, chlorobenzene, toluene and vinyl chloride, have varied over time for both wells. Historically, concentrations were higher in the shallower well than in the deeper well. When operation of NYSDOH well 24S was discontinued in 1999, the concentrations in NYSDOH well 24D began to increase. The installation and testing of monitoring and extraction wells in the mid-2000s also appears to have negatively influenced the VOC concentrations in NYSDOH wells 24S and 24D, with upward concentration spikes, perhaps by connecting fractures that were not previously connected. However, concentrations have generally remained steady or slightly declined since groundwater extraction began in March 2008. TCE, cDCE and benzene were consistently detected above their state drinking water standards of 5 µg/L in both NYSDOH wells 24S and 24D. Chlorobenzene concentrations in NYSDOH well 24D hover around the state drinking water standard of 5 µg/L, while chlorobenzene concentrations in NYSDOH well 24S have been consistently below the state drinking water standard since 2010.

As shown in Figure 4-37 for NYSDOH well 25, detected VOC concentrations, including TCE, cDCE and benzene, had historically been relatively low prior to 2004. However, as described above for NYSDOH wells 24S and 24D, the installation and testing of monitoring and extraction wells in the mid-2000s appears to have negatively influenced the VOC concentrations in NYSDOH well 25, with upward concentration spikes, perhaps by connecting fractures that were not previously connected. Concentrations generally declined since the extraction of groundwater began in March 2008. The maximum TCE concentration detected in 2020 was 3.2 µg/L, which is below the state drinking water standard of 5 µg/L. Historically, TCE detections have been above the state drinking water standard of 5 µg/L, but have decreased since 2015 to concentrations near 5 µg/L. Benzene and cDCE have been detected below their state drinking water standards of 5 µg/L since 2011, with one exception in the second quarter of 2014. Benzene and cDCE were not detected in NYSDOH well 25 in 2020.

4.7.2 1,4-Dioxane Analyses

In 2020, the residential wells located at the four properties with POU treatment systems had detections of 1,4-dioxane at concentrations ranging from an estimated 0.031 µg/L to 0.57 µg/L. There is currently no federal drinking water standard for 1,4-dioxane, but NYSDOH promulgated a Maximum Contaminant Level (MCL) of 1 µg/L for 1,4-dioxane on August 26, 2020. Consistent with historical results, the highest concentrations of 1,4-dioxane in these wells during 2020 were in NYSDOH well 1, located north of the Landfill. The maximum concentration of 1,4-dioxane in the other four wells with POU treatment systems was 0.081 µg/L. As shown on Figure 4-38, the 1,4-dioxane concentrations detected in the five wells with POU treatment systems in 2020 are generally consistent with historical results but appear to be slowly trending downward.

NYSDOH well 3, located on Mead Road west of the Landfill, had detections of 1,4-dioxane at concentrations of 1.3 and 0.88 µg/L in May and November 2020, respectively. The former was the first results from NYSDOH well 3 that was higher than the newly adopted MCL of 1 µg/L. Consistent with historical results, no Site-related VOCs were detected in this well in 2020. Although not equipped with a POU treatment system, this residence is supplied with bottled water.

1,4-Dioxane was also detected in 2020 at very low concentrations in six other residential wells without POU treatment systems (i.e., NYSDOH wells 6, 19, 21, 22, 29 and 32), with a maximum concentration of 0.16 µg/L. Similar to NYSDOH well 3, no BTEX, CVOCs or chlorobenzene were detected in these six residential wells, with one exception; toluene was detected at an estimated concentration of 0.15 µg/L in NYSDOH well 21).

4.7.3 Mann-Kendall Trend Analyses for Volatile Organic Compounds and 1,4-Dioxane

A Mann-Kendall trend analysis was performed on the quarterly BTEX, CVOC, and chlorobenzene results (nine of the 10 key constituents) and the semi-annual 1,4-dioxane results collected from four of the five residential wells with POU treatment systems²² over a four-year period (2016 through 2019),²³ and the statistical results are summarized on Table 4-13. To provide meaningful statistical results, trends were identified using a 95% confidence interval. Insufficient detections prevented Mann-Kendall trend analysis for some constituents in each of the four wells.

For the four residential wells evaluated (NYSDOH wells 1, 23, 24D and 25), no constituents showed a statistically significant increasing trend over the four-year period (2016 through 2019). One constituent in one well showed a statistically significant decreasing trend over the four-year period, that being TCE in NYSDOH well 24D. In each of the four wells evaluated, three or four of the 10 constituents (including nine VOCs and 1,4-dioxane) showed no statistically significant trend in each of the results (i.e., they were stable over the four-year period). Additionally, five, six or seven of the 10 constituents had insufficient detections to perform the Mann-Kendall trend analysis.

²² The data for NYSDOH well 24S were not evaluated using Mann-Kendall trend analysis because this well is not currently in use and was not consistently sampled throughout the four-year period.

²³ For 1,4-dioxane, eight results were available during the four-year period for Mann-Kendall trend analysis. Sixteen results were available for the VOCs.

5. CONCLUSIONS

Leachate has been removed from the LCT at the Landfill since 1991, except for 1994, when no leachate was removed. Before December 2013, the leachate was transported off-site for treatment and disposal. Since then, the leachate has been treated on-site. Due to low water levels within the Landfill, only 1,790 gallons of leachate were removed from the LCT in 2020 (all from manual operation for equipment maintenance), bringing the total volume of leachate removed from the LCT from 1991 through December 2020 to approximately 6,984,640 gallons. As of the end of December 2020, a total of approximately 3,379 pounds of VOCs have been removed from the containment system through use of the leachate collection system. In 2020, approximately 0.04 pounds of VOCs were removed from the containment system through use of the leachate collection system. As shown in Figure 4-31, VOC concentrations in the LCT have remained relatively consistent since sample collection and analysis began in 1985, except for significant decreases in 1994 and in March 2016 (when the last leachate sample was collected). Although the leachate collection system is being maintained, the collection of additional leachate in 2021 is unlikely due to continued low water levels inside the Landfill in response to groundwater withdrawal from the eight extraction wells.

The three original extraction wells (EW-1, EW-2 and EW-3) were in operation on a seasonal basis (operating during the Spring, Summer and Fall months) from late March 2008 through 2010. The extraction system was winterized by USEPA to allow for year-round operation after October 2011. Five new extraction wells (EW-4 through EW-8) were placed into operation in July through November 2015. Approximately 2,498,200 gallons of groundwater were pumped from the eight extraction wells in 2020, and approximately 22,142,500 gallons of groundwater have been extracted from 2008 through December 2020. Approximately 925 pounds of VOCs were removed from the extraction wells in 2020, bringing the total mass of VOCs removed from the extraction wells to approximately 7,540 pounds.

Of the eight extraction wells, EW-1 (located farthest from the Landfill) shows downward concentration trends. The results of Mann-Kendall trend analysis using the data from a four-year period (2016 through 2019) shows a statistically significant decreasing trend for six of 10 of the key constituents (including 1,4-dioxane). Downward concentration trends are also evident at EW-2, which is the extraction well located second farthest away from the Landfill. Mann-Kendall trend analysis for EW-2 shows a statistically significant decreasing trend for four of the 10 key constituents (including 1,4-dioxane), and no statistically significant trend for four of the remaining five constituents (i.e., they were stable over the four-year period). As expected, the three extraction wells located closest to the Landfill (EW-4, EW-6 and EW-7) do not have as many constituents with statistically significant decreasing trends. EW-4 and EW-5 both show statistically significant decreasing trends for benzene and TCE; the other eight key constituents either show statistically significant increasing trends or no statistically significant trends. Although located close to the Landfill, EW-7 showed statistically significant decreasing trends for three of the 10 constituents (benzene, cDCE and VC), no constituents with statistically significant increasing trends, six constituents with no statistically significant trend (i.e., they were stable over the four-year period) and one constituent with insufficient detections to perform the Mann-Kendall trend analysis (TCE). EW-7 is located farther west than EW-4 and EW-6. Extraction wells EW-3, EW-5 and EW-8 are on the so-called "second line", farther away from the Landfill than EW-4, EW-6 and EW-7, but closer than EW-2. Extraction well EW-8 is located farthest west

(downgradient from EW-7) and has four of the 10 key constituents with statistically significant decreasing trends (benzene, chlorobenzene, toluene and 1,4-dioxane); the other six constituents had insufficient detections during the four-year period to perform the Mann-Kendall trend analysis. Results of the Mann-Kendall trend analysis for EW-3 and EW-5 showed a mix, with more statistically decreasing than increasing trends in EW-3 and more statistically significant increasing than decreasing trends in EW-5.

In summary, the trend analysis for the extraction wells shows that three of the extraction wells have two of the 10 key constituents that show a statistically significant decreasing trend (EW-4, EW-5 and EW-6), and more constituents show a statistically significant decreasing trend in the other five extraction wells. EW-8 is the extraction well located farthest from the Landfill and shows a statistically significant decreasing trend at four of the 10 key constituents.

Operation of the groundwater extraction and treatment system will continue in 2021. Annual groundwater samples for VOCs, SVOCs, 1,4-dioxane, PCBs and TAL metals will be collected from each of the eight extraction wells as outlined in Table 1 of Appendix J of the DR/IP.

VOCs and 1,4-dioxane decrease to the south with distance from the Landfill but continue to be detected in the four residential wells (on three properties) with POU treatment systems along Central Nassau Road (NYSDOH wells 23, 24S, 24D and 25). The VOC concentrations in NYSDOH well 25 have declined since extraction of groundwater began in March 2008, and the VOC concentrations in NYSDOH well 25 were less than the state drinking water standards during all four sampling events in 2020. The concentrations of VOCs in the residential well located immediately north of the Landfill (NYSDOH well 1) were again below the state drinking water standards (for the twelfth consecutive year, since mid-2008). The VOC concentrations in NYSDOH well 23 were below the state drinking water standards during three of the four sampling events in 2020. The concentrations of VOCs are still significantly above the state drinking water standards for NYSDOH well 24D, but Mann-Kendall trend analysis shows that the concentration of TCE, the dominant constituent, is decreasing. Although 1,4-dioxane was detected in each of the residential wells with POU treatment systems during 2020, its concentrations were well below the newly adopted MCL of 1 µg/L.

With two exceptions, BTEX, CVOCs, or chlorobenzene were not detected in any of the 14 residential wells without POU treatment systems that were sampled in 2020. The two exceptions were NYSDOH wells 21 and 26, which each had estimated detections of toluene well below the state drinking water standard of 5 µg/L (i.e., at concentrations of 0.15 and 0.16 µg/L, respectively). 1,4-Dioxane was detected in seven residential wells without POU treatment systems in 2020: one located along Mead Road to the west of the Landfill, one located along Nassau-Averill Park Road, one located on Central Nassau Road east of FLUTe™ multi-level monitoring well EPA-5, and the other four located along Central Nassau Road south of the Landfill. The 1,4-dioxane detections in six of these wells were below the 1 µg/L MCL that was promulgated by NYSDOH in August 2020. As in prior years, the concentration of 1,4-dioxane was higher in NYSDOH well 3, with a detection at 1.3 µg/L in May 2020 and a detection of 0.88 µg/L in November 2020. Although no BTEX, CVOCs, or chlorobenzene has been detected in NYSDOH well 3, bottled water is provided.

The POU treatment systems at these four properties will continue to be maintained in 2021. Bottled water is provided to each of the four properties with POU treatment systems (NYSDOH wells 1, 23, 24S, 24D and 25). Bottled water is also provided to several properties without POU treatment systems sampled semi-annually (NYSDOH wells 3, 16, 17, 18, 19, 20, 21, 22 and 32). Quarterly or semi-annual monitoring for VOCs and 1,4-dioxane will continue at each of the four properties with POU treatment systems in 2021. In accordance with Attachment A of Appendix J of the DR/IP, monitoring for VOCs and 1,4-dioxane will also continue in 2021 for the residential wells without POU treatment systems.

As confirmed by the Spring and Fall 2020 groundwater results, there are two different VOC chemical signatures in the bedrock groundwater at the Site. One is BTEX rich, with chlorobenzene and CVOCs as secondary compounds; this signature is typically found to the southwest of the Landfill and is similar to the VOCs that were found in leachate from the LCT. 1,4-Dioxane is also associated with this signature. The other signature is CVOC rich, with BTEX (specifically benzene) and chlorobenzene as secondary compounds; this signature is typically found to the south of the Landfill and extends farthest to the south.

Based on the results of the Spring and Fall 2020 groundwater sampling events, along with the results from the extraction well and POU treatment system sampling, the following conclusions can be made with respect to groundwater quality, all of which are consistent with prior annual reports:

- Concentrations of BTEX, chlorobenzene and 1,4-dioxane in bedrock groundwater outside the Landfill are highest along the southwestern edge of the Landfill, with concentrations decreasing to the south
- Concentrations of chlorobenzene are generally less than the concentrations of BTEX and CVOCs, with the exception of overburden groundwater north, northwest, west and immediately east of the Landfill and bedrock immediately south of the Landfill
- Similar to the historical results, PCBs were not detected in the individual extraction well samples in 2020.

In accordance with the approved GWMP (i.e., Attachment B of Appendix J of the DR/IP), semi-annual groundwater monitoring activities will continue to be performed in 2021. Specifically, semi-annual groundwater elevation monitoring will be performed at 24 monitoring wells located outside of the Landfill's perimeter fence and at the FLUTe™ multi-level monitoring wells EPA-1 through EPA-5. In addition, semi-annual groundwater sampling and analysis for VOCs and 1,4-dioxane, and the biennial sampling of phenolic compounds at select monitoring wells, will also be performed in 2021.

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TABLES

Table 2-1
Annual Volume Removed From Leachate Collection and
Groundwater Extraction Systems
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Year	Leachate		EW-1		EW-2		EW-3		EW-4		EW-5		EW-6		EW-7		EW-8		Calculated Total Gallons
	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	
1991	39,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,540
1992	160,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160,000
1993	120,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120,000
1994	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1995	125,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125,000
1996	230,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	230,000
1997	272,804	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	272,804
1998	347,969	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	347,969
1999	419,500	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	419,500
2000	440,030	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440,030
2001	350,116	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350,116
2002	407,312	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407,312
2003	375,919	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375,919
2004	292,518	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	292,518
2005	185,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185,000
2006	460,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	460,000
2007	339,700	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	339,700
2008	500,490	71	6,876	1	192,759	27	6,876	1	0	0	0	0	0	0	0	0	0	0	707,001
2009	417,455	33	211,709	17	423,418	33	211,709	17	0	0	0	0	0	0	0	0	0	0	1,264,291
2010	342,848	24	268,845	19	537,691	38	268,845	19	0	0	0	0	0	0	0	0	0	0	1,418,229
2011	356,657	32	198,641	18	361,915	32	198,641	18	0	0	0	0	0	0	0	0	0	0	1,115,854
2012	223,546	13	394,790	22	787,277	44	377,150	21	0	0	0	0	0	0	0	0	0	0	1,782,763
2013	249,572	14	438,941	25	666,947	38	388,645	22	0	0	0	0	0	0	0	0	0	0	1,744,104
2014	158,160	19	169,025	20	299,041	35	217,854	26	0	0	0	0	0	0	0	0	0	0	844,080
2015	158,440	7	426,590	19	694,200	30	575,400	25	56,410	2	126,000	6	69,570	3	52,180	2	130,090	6	2,288,880
2016	6,010	0	362,430	12	637,490	21	518,940	17	287,080	10	301,980	10	282,100	10	284,630	10	286,310	10	2,966,970
2017	450	0	335,050	12	567,200	21	398,070	15	276,530	10	277,770	10	276,800	10	274,820	10	277,140	10	2,683,830
2018	1,680	0	325,720	12	571,260	22	407,160	15	266,050	10	269,780	10	266,770	10	269,830	10	267,950	10	2,646,200
2019	2,130	0	305,450	12	570,040	22	391,660	15	267,390	10	265,780	10	267,190	10	265,380	10	264,470	10	2,599,490
2020	1,790	0	290,070	12	567,070	23	331,080	13	263,840	11	261,200	10	263,380	11	261,950	10	259,630	10	2,500,010

Notes:

1. "%" designates percent of the calculated total volume removed.
2. The leachate was last sampled in March 2016. Due to lower water levels within the Landfill, a very small amount of leachate continues to flow into the leachate collection system.

Table 2-2
Cumulative Volume Removed From Leachate
Collection and Groundwater Extraction Systems
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Year	Leachate		EW-1		EW-2		EW-3		EW-4		EW-5		EW-6		EW-7		EW-8		Calculated Total Gallons
	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	
1991	39,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,540
1992	199,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	199,540
1993	319,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319,540
1994	319,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319,540
1995	444,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	444,540
1996	674,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	674,540
1997	947,344	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	947,344
1998	1,295,313	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,295,313
1999	1,714,813	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,714,813
2000	2,154,843	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,154,843
2001	2,504,959	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,504,959
2002	2,912,271	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,912,271
2003	3,288,190	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,288,190
2004	3,580,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,580,708
2005	3,765,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,765,708
2006	4,225,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,225,708
2007	4,565,408	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,565,408
2008	5,065,898	96	6,876	0.1	192,759	4	6,876	0.1	0	0	0	0	0	0	0	0	0	0	5,272,409
2009	5,483,353	84	218,585	3	616,177	9	218,585	3	0	0	0	0	0	0	0	0	0	0	6,536,700
2010	5,826,201	73	487,430	6	1,153,867	15	487,430	6	0	0	0	0	0	0	0	0	0	0	7,954,929
2011	6,182,858	68	686,071	8	1,515,782	17	686,071	8	0	0	0	0	0	0	0	0	0	0	9,070,783
2012	6,406,404	59	1,080,862	10	2,303,059	21	1,063,222	10	0	0	0	0	0	0	0	0	0	0	10,853,546
2013	6,655,976	53	1,519,802	12	2,970,006	24	1,451,866	12	0	0	0	0	0	0	0	0	0	0	12,597,650
2014	6,814,136	51	1,688,827	13	3,269,047	24	1,669,720	12	0	0	0	0	0	0	0	0	0	0	13,441,730
2015	6,972,576	44	2,115,417	13	3,963,247	25	2,245,120	14	56,410	0.4	126,000	0.8	69,570	0.4	52,180	0.3	130,090	0.8	15,730,610
2016	6,978,586	37	2,477,847	13	4,600,737	25	2,764,060	15	343,490	2	427,980	2	351,670	2	336,810	2	416,400	2	18,697,580
2017	6,979,036	33	2,812,897	13	5,167,937	24	3,162,130	15	620,020	3	705,750	3	628,470	3	611,630	3	693,540	3	21,381,410
2018	6,980,716	29	3,138,617	13	5,739,197	24	3,569,290	15	886,070	4	975,530	4	895,240	4	881,460	4	961,490	4	24,027,610
2019	6,982,846	26	3,444,067	13	6,309,237	24	3,960,950	15	1,153,460	4	1,241,310	5	1,162,430	4	1,146,840	4	1,225,960	5	26,627,100
2020	6,984,636	24	3,734,137	13	6,876,307	24	4,292,030	15	1,417,300	5	1,502,510	5	1,425,810	5	1,408,790	5	1,485,590	5	29,127,110

Notes:

1. "%" designates percent of the calculated total volume removed.
2. The leachate was last sampled in March 2016. Due to lower water levels within the Landfill, a very small amount of leachate continues to flow into the leachate collection system.

Table 2-3
Annual Mass of VOCs Removed from Leachate Collection System
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of CVOCs		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
1991	3.93	4.91	0.00	0.00	0.74	0.00	0.00	0.00	1.03	9.57	90.32	0.00	0.00	10.60
1992	12.52	16.95	0.06	0.00	2.26	0.00	0.00	0.00	3.80	31.80	89.32	0.00	0.00	35.60
1993	10.77	22.86	0.13	0.00	2.27	0.00	0.00	0.00	3.23	36.03	91.77	0.00	0.00	39.26
1994	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	---	0.00	---	0.00
1995	6.55	5.17	0.27	0.00	0.95	0.00	0.03	0.01	1.89	12.94	87.02	0.04	0.25	14.87
1996	14.83	14.52	0.45	0.00	2.31	0.00	0.05	0.06	4.78	32.12	86.80	0.10	0.28	37.00
1997	18.47	18.96	0.17	0.00	2.97	0.00	0.02	0.10	6.23	40.56	86.45	0.12	0.26	46.92
1998	26.69	29.51	0.07	0.00	4.37	0.00	0.01	0.18	9.22	60.64	86.56	0.19	0.27	70.05
1999	36.83	43.86	0.03	0.00	6.15	0.00	0.01	0.31	13.03	86.87	86.68	0.32	0.32	100.22
2000	44.14	56.62	0.01	0.00	7.51	0.00	0.00	0.48	15.99	108.28	86.80	0.48	0.38	124.74
2001	39.98	55.24	0.00	0.00	6.94	0.00	0.00	0.54	14.82	102.15	86.92	0.54	0.46	117.52
2002	52.30	77.85	0.00	0.00	9.25	0.00	0.00	0.90	19.86	139.40	87.04	0.90	0.56	160.16
2003	55.68	89.26	0.00	0.00	10.04	0.00	0.00	1.20	21.64	154.98	87.15	1.20	0.68	177.82
2004	49.43	85.35	0.00	0.00	9.09	0.00	0.00	1.35	19.67	143.86	87.25	1.35	0.82	164.88
2005	33.65	62.41	0.00	0.00	6.20	0.00	0.00	1.21	13.54	102.26	87.40	1.21	1.03	117.00
2006	84.83	168.26	0.00	0.00	15.08	0.00	0.51	4.36	33.60	268.18	87.45	4.88	1.59	306.65
2007	63.16	127.48	0.00	0.00	10.84	0.00	13.38	4.63	24.46	201.48	82.59	18.00	7.38	243.95
2008	94.93	172.37	0.00	0.00	15.92	0.00	25.01	7.46	35.92	283.22	80.55	32.47	9.23	351.60
2009	73.65	155.37	0.00	0.00	14.10	0.00	22.08	0.03	34.91	243.12	81.00	22.11	7.37	300.14
2010	54.05	116.23	0.00	0.00	12.13	0.00	18.39	0.00	27.62	182.42	79.86	18.39	8.05	228.43
2011	62.74	130.30	0.00	0.00	12.66	0.00	23.70	0.01	32.69	205.70	78.48	23.70	9.04	262.10
2012	33.62	68.52	0.91	0.82	7.82	0.00	15.00	2.08	18.31	111.69	75.94	17.08	11.61	147.08
2013	38.68	69.58	2.33	3.13	9.23	0.00	22.58	6.16	20.33	122.94	71.48	28.74	16.71	172.01
2014	19.91	31.49	0.69	1.25	2.08	0.00	4.57	2.07	11.41	55.43	75.44	6.64	9.03	73.47
2015	20.84	33.51	0.85	0.80	3.63	0.01	4.58	2.41	10.09	59.63	77.71	7.01	9.13	76.73
2016	0.11	0.18	0.01	0.01	0.02	0.00	0.02	0.01	0.11	0.34	69.82	0.03	6.63	0.48
2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	61.51	0.001	5.16	0.01
2018	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	61.51	0.002	5.16	0.04
2019	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	61.51	0.003	5.16	0.05
2020	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	61.51	0.002	5.16	0.04

Notes:

1. Mass reported in pounds (lbs).
2. For non-detects, zero is used.
3. "VOCs" designates volatile organic compounds.
4. "BTEX" designates benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
5. "CVOCs" designates trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC).
6. "%" designates percent of the calculated total mass.
7. Calculated total mass designates the sum of the nine dominant constituents.
8. The leachate was last sampled in March 2016. Due to lower water levels within the Landfill, a very small amount of mass continues to be produced from the leachate collection system.

Table 2-4
Cumulative Mass of VOCs Removed from Leachate Collection System
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of CVOCs		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
1991	3.93	4.91	0.00	0.00	0.74	0.00	0.00	0.00	1.03	9.57	90.32	0.00	0.00	10.60
1992	16.45	21.86	0.06	0.00	3.00	0.00	0.00	0.00	4.83	41.37	89.55	0.00	0.00	46.20
1993	27.22	44.72	0.20	0.00	5.26	0.00	0.00	0.00	8.06	77.40	90.57	0.00	0.00	85.46
1994	27.22	44.72	0.20	0.00	5.26	0.00	0.00	0.00	8.06	77.40	90.57	0.00	0.00	85.46
1995	33.77	49.89	0.47	0.00	6.21	0.00	0.03	0.01	9.96	90.34	90.04	0.04	0.04	100.33
1996	48.61	64.41	0.92	0.00	8.52	0.00	0.08	0.06	14.74	122.46	89.17	0.14	0.10	137.33
1997	67.08	83.37	1.08	0.00	11.49	0.00	0.10	0.16	20.97	163.02	88.48	0.26	0.14	184.25
1998	93.77	112.87	1.15	0.00	15.86	0.00	0.11	0.34	30.19	223.66	87.95	0.45	0.18	254.31
1999	130.60	156.73	1.18	0.00	22.01	0.00	0.12	0.66	43.23	310.52	87.59	0.77	0.22	354.52
2000	174.74	213.35	1.18	0.00	29.53	0.00	0.12	1.13	59.21	418.80	87.38	1.25	0.26	479.27
2001	214.72	268.59	1.19	0.00	36.46	0.00	0.12	1.68	74.04	520.95	87.29	1.80	0.30	596.79
2002	267.02	346.43	1.19	0.00	45.72	0.00	0.12	2.57	93.90	660.36	87.24	2.69	0.36	756.94
2003	322.70	435.69	1.19	0.00	55.76	0.00	0.12	3.78	115.54	815.33	87.22	3.90	0.42	934.77
2004	372.12	521.04	1.19	0.00	64.85	0.00	0.12	5.13	135.21	959.20	87.23	5.25	0.48	1099.65
2005	405.77	583.45	1.19	0.00	71.04	0.00	0.12	6.33	148.74	1061.46	87.24	6.45	0.53	1216.66
2006	490.61	751.72	1.19	0.00	86.13	0.00	0.64	10.69	182.34	1329.63	87.29	11.33	0.74	1523.31
2007	553.77	879.20	1.19	0.00	96.96	0.00	14.01	15.32	206.80	1531.12	86.64	29.33	1.66	1767.25
2008	648.70	1051.56	1.19	0.00	112.89	0.00	39.02	22.78	242.72	1814.34	85.63	61.80	2.92	2118.86
2009	722.35	1206.93	1.19	0.00	126.99	0.00	61.10	22.81	277.63	2057.46	85.05	83.91	3.47	2419.00
2010	776.40	1323.16	1.19	0.00	139.12	0.00	79.49	22.81	305.25	2239.88	84.61	102.30	3.86	2647.43
2011	839.15	1453.46	1.19	0.00	151.78	0.00	103.19	22.82	337.94	2445.58	84.05	126.00	4.33	2909.52
2012	872.76	1521.98	2.10	0.82	159.60	0.00	118.19	24.89	356.24	2557.27	83.66	143.09	4.68	3056.60
2013	911.44	1591.56	4.43	3.95	168.83	0.00	140.77	31.05	376.57	2680.21	83.01	171.82	5.32	3228.61
2014	931.36	1623.05	5.12	5.19	170.91	0.00	145.34	33.12	387.98	2735.64	82.85	178.46	5.40	3302.08
2015	952.20	1656.56	5.97	5.99	174.54	0.01	149.92	35.53	398.08	2795.27	82.73	185.47	5.49	3378.81
2016	952.30	1656.74	5.98	6.00	174.57	0.02	149.94	35.54	398.19	2795.60	82.73	185.50	5.49	3379.29
2017	952.31	1656.74	5.98	6.00	174.57	0.02	149.94	35.54	398.19	2795.61	82.73	185.50	5.49	3379.30
2018	952.31	1656.76	5.98	6.01	174.57	0.02	149.94	35.55	398.21	2795.63	82.73	185.50	5.49	3379.34
2019	952.32	1656.77	5.99	6.01	174.57	0.02	149.94	35.55	398.22	2795.66	82.73	185.51	5.49	3379.39
2020	952.33	1656.79	5.99	6.01	174.58	0.02	149.94	35.55	398.24	2795.69	82.73	185.51	5.49	3379.44

Notes:

- Mass reported in pounds (lbs).
- For non-detects, zero is used.
- "VOCs" designates volatile organic compounds.
- "BTEX" designates benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
- "CVOCs" designates trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC).
- "%" designates percent of the calculated total mass.
- Calculated total mass designates the sum of the nine dominant constituents.
- The leachate was last sampled in March 2016. Due to lower water levels within the Landfill, a very small amount of mass continues to be produced from the leachate collection system.

Table 2-5
Annual Mass of VOCs Removed from Individual Extraction Wells
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of CVOCs		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
EW-1														
2008	0.18	0.20	0.00	0.00	0.00	1.81	0.11	0.00	0.00	0.37	16.31	1.92	83.69	2.29
2009	6.03	7.10	0.00	0.00	0.00	49.57	2.56	0.00	1.04	13.12	19.79	52.13	78.63	66.30
2010	2.54	0.41	0.00	0.00	0.00	27.11	1.19	0.00	0.00	2.94	9.42	28.30	90.58	31.24
2011	1.27	0.00	0.00	0.00	0.00	14.57	0.84	0.00	0.00	1.28	7.65	15.40	92.34	16.68
2012	2.33	0.33	0.01	0.00	0.01	26.00	1.71	0.01	0.07	2.69	8.83	27.72	90.94	30.48
2013	2.35	0.41	0.00	0.00	0.00	26.58	1.83	0.00	0.21	2.76	8.80	28.41	90.53	31.38
2014	0.77	0.52	0.03	0.04	0.02	7.55	0.70	0.01	0.20	1.39	14.10	8.26	83.87	9.85
2015	2.30	1.41	0.05	0.06	0.06	24.16	1.96	0.04	0.41	3.87	12.70	26.16	85.94	30.45
2016	1.81	0.67	0.00	0.00	0.00	21.33	1.81	0.00	0.34	2.47	9.53	23.15	89.15	25.97
2017	1.52	0.52	0.00	0.00	0.00	17.68	1.48	0.00	0.31	2.04	9.48	19.17	89.09	21.51
2018	1.18	0.19	0.00	0.00	0.00	14.68	1.29	0.00	0.25	1.38	7.86	15.98	90.70	17.62
2019	0.88	0.08	0.00	0.00	0.00	10.29	1.03	0.03	0.20	0.97	7.73	11.35	90.65	12.52
2020	0.92	0.16	0.01	0.01	0.01	11.00	1.11	0.06	0.22	1.11	8.22	12.17	90.17	13.50
EW-2														
2008	7.32	7.19	0.00	0.00	0.00	60.14	2.63	0.00	0.06	14.51	18.76	62.77	81.17	77.34
2009	19.71	23.23	0.00	0.00	0.00	75.77	8.74	0.00	2.36	42.94	33.08	84.51	65.10	129.81
2010	15.75	17.65	0.00	0.00	0.00	138.73	9.35	0.00	0.00	33.41	18.41	148.08	81.59	181.49
2011	11.39	13.76	0.00	0.00	0.01	100.51	8.09	0.00	0.01	25.17	18.81	108.61	81.18	133.78
2012	26.34	33.08	0.23	0.07	1.42	217.01	22.02	0.17	3.15	61.15	20.15	239.20	78.82	303.50
2013	23.04	30.30	0.05	0.06	1.02	201.33	21.81	0.00	0.40	54.48	19.59	223.15	80.26	278.03
2014	7.27	10.51	0.31	0.68	0.48	52.16	8.53	0.17	2.21	19.24	23.38	60.86	73.93	82.32
2015	23.23	38.47	1.45	1.77	3.11	168.66	30.92	1.46	6.37	68.02	24.69	201.04	72.99	275.43
2016	24.23	41.37	1.48	1.76	3.09	181.34	34.11	1.92	6.36	71.93	24.33	217.37	73.52	295.66
2017	21.32	36.28	1.71	1.95	3.46	158.81	29.58	1.80	6.54	64.73	24.76	190.19	72.74	261.46
2018	18.13	29.12	1.58	1.73	2.71	154.02	23.84	2.07	5.78	53.28	22.29	179.93	75.29	238.98
2019	15.35	23.25	1.52	1.52	1.77	133.38	19.96	2.77	5.48	43.41	21.18	156.11	76.15	205.00
2020	14.85	19.20	1.35	1.34	2.25	117.48	19.62	2.90	4.88	38.99	21.21	140.00	76.14	183.87
EW-3														
2008	0.66	0.33	0.00	0.00	0.02	0.07	0.09	0.05	0.10	1.01	76.52	0.21	15.86	1.31
2009	16.18	7.46	0.00	0.00	0.04	1.93	1.87	0.00	2.49	23.67	79.02	3.80	12.68	29.96
2010	17.52	12.65	0.00	0.00	0.69	1.62	1.86	0.00	2.59	30.86	83.55	3.49	9.44	36.94
2011	13.49	10.84	0.00	0.00	0.58	1.03	1.42	0.00	1.97	24.92	84.93	2.45	8.36	29.34
2012	27.01	22.61	0.06	0.02	1.20	1.74	2.81	0.28	4.03	50.90	85.19	4.83	8.08	59.75
2013	32.33	30.04	0.02	0.03	1.19	1.87	3.33	0.62	5.08	63.60	85.37	5.82	7.81	74.50
2014	19.52	20.09	0.17	0.75	0.59	1.01	2.69	0.58	3.62	41.12	83.88	4.28	8.74	49.03
2015	47.80	42.49	0.58	0.71	2.18	2.65	7.36	1.71	7.76	93.76	82.80	11.72	10.35	113.24
2016	13.11	12.99	0.16	0.18	0.57	0.50	0.78	0.21	1.99	27.01	88.57	1.50	4.90	30.50
2017	8.05	10.83	0.14	0.17	0.50	0.29	0.43	0.14	1.42	19.69	89.64	0.85	3.88	21.97
2018	7.18	13.03	0.18	0.20	0.65	0.32	0.34	0.08	1.49	21.25	90.51	0.74	3.16	23.48
2019	5.58	11.95	0.16	0.19	0.59	0.25	0.24	0.01	1.30	18.47	91.10	0.51	2.49	20.28
2020	4.06	9.72	0.13	0.16	0.47	0.19	0.19	0.04	0.96	14.55	91.29	0.42	2.66	15.94

Notes:

1. Mass reported in pounds (lbs).
2. For non-detects, zero is used.
3. "VOCs" designates volatile organic compounds.
4. "BTEX" designates benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
5. "CVOCs" designates trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC).
6. "%" designates percent of the calculated total mass.
7. Calculated total mass designates the sum of the nine dominant constituents.

Table 2-5
Annual Mass of VOCs Removed from Individual Extraction Wells
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of CVOCs		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
EW-4														
2015	13.24	11.58	0.20	0.23	0.75	0.67	2.85	0.65	2.19	26.01	80.32	4.18	12.90	32.38
2016	45.17	54.90	0.84	0.95	3.24	2.66	12.05	1.79	9.45	105.11	80.20	16.50	12.59	131.05
2017	42.29	71.36	1.19	1.41	4.62	1.90	14.25	1.66	11.33	120.87	80.57	17.81	11.87	150.01
2018	36.75	72.11	1.20	1.36	4.67	0.97	14.01	1.33	10.63	116.09	81.16	16.32	11.41	143.03
2019	34.76	82.22	1.45	1.64	5.83	0.57	14.39	1.57	11.82	125.90	81.62	16.53	10.72	154.25
2020	31.84	83.52	1.38	1.66	5.66	0.45	13.98	1.34	10.54	124.05	82.50	15.78	10.49	150.37
EW-5														
2015	19.46	7.44	0.11	0.17	0.46	0.82	5.46	0.70	3.50	27.65	72.54	6.97	18.29	38.12
2016	19.83	9.22	0.10	0.12	0.49	0.49	3.41	0.51	2.99	29.75	80.06	4.42	11.90	37.16
2017	16.02	13.64	0.20	0.23	0.70	0.28	2.75	0.48	3.13	30.79	82.27	3.51	9.37	37.42
2018	15.14	18.64	0.28	0.31	0.97	0.20	2.52	0.54	3.52	35.34	83.90	3.26	7.74	42.12
2019	14.53	21.21	0.33	0.38	1.19	0.15	2.65	0.75	3.95	37.65	83.38	3.55	7.86	45.15
2020	15.52	27.54	0.39	0.47	1.48	0.13	2.88	0.77	4.24	45.40	84.99	3.78	7.08	53.42
EW-6														
2015	27.89	29.54	0.50	0.55	1.91	0.19	8.55	2.47	5.94	60.39	77.87	11.22	14.46	77.55
2016	114.81	148.06	2.28	2.62	9.03	1.64	47.23	9.01	28.06	276.80	76.31	57.89	15.96	362.74
2017	120.01	175.59	3.11	3.58	12.00	1.48	54.49	8.77	35.92	314.29	75.74	64.74	15.60	414.95
2018	94.44	159.15	2.75	3.15	10.65	0.53	42.37	7.02	31.23	270.14	76.90	49.92	14.21	351.29
2019	84.39	181.05	3.28	3.65	13.20	0.00	38.20	8.35	34.22	285.57	77.95	46.55	12.71	366.34
2020	76.13	157.71	2.75	3.22	10.90	0.15	36.69	5.82	28.57	250.70	77.87	42.66	13.25	321.94
EW-7														
2015	11.97	12.14	0.20	0.23	0.74	0.00	1.74	1.06	2.34	25.27	83.08	2.80	9.21	30.41
2016	72.94	109.07	1.67	1.79	6.16	0.00	19.87	7.62	18.58	191.63	80.62	27.49	11.56	237.70
2017	64.25	133.42	2.04	2.28	7.81	0.00	18.45	8.94	19.84	209.81	81.63	27.38	10.65	257.03
2018	55.83	135.07	2.07	2.27	7.85	0.00	10.45	7.47	18.32	203.10	84.86	17.92	7.49	239.35
2019	46.20	122.18	1.83	2.00	7.14	0.00	3.23	4.79	15.86	179.34	88.25	8.02	3.95	203.22
2020	44.16	113.32	1.55	1.88	6.35	0.00	1.32	2.49	13.54	167.26	90.60	3.81	2.06	184.60
EW-8														
2015	1.84	0.27	0.00	0.00	0.02	0.00	0.00	0.00	0.11	2.14	94.82	0.01	0.49	2.26
2016	3.12	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.16	3.22	95.34	0.001	0.02	3.38
2017	2.26	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.14	2.30	94.12	0.003	0.12	2.44
2018	1.73	0.04	0.00	0.00	0.00	0.00	0.01	0.00	0.11	1.77	93.96	0.008	0.44	1.89
2019	1.44	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.09	1.46	93.96	0.002	0.13	1.55
2020	1.44	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.09	1.45	93.66	0.008	0.51	1.55

Notes:

1. Mass reported in pounds (lbs).
2. For non-detects, zero is used.
3. "VOCs" designates volatile organic compounds.
4. "BTEX" designates benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
5. "CVOCs" designates trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC).
6. "%" designates percent of the calculated total mass.
7. Calculated total mass designates the sum of the nine dominant constituents.

Table 2-6
Cumulative Mass of VOCs Removed from Individual Extraction Wells
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of CVOCs		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
EW-1														
2008	0.18	0.20	0.00	0.00	0.00	1.81	0.11	0.00	0.00	0.37	16.31	1.92	83.69	2.29
2009	6.20	7.29	0.00	0.00	0.00	51.38	2.67	0.00	1.04	13.50	19.68	54.05	78.80	68.59
2010	8.74	7.70	0.00	0.00	0.00	78.49	3.86	0.00	1.04	16.44	16.47	82.35	82.49	99.83
2011	10.02	7.70	0.00	0.00	0.00	93.05	4.70	0.00	1.04	17.72	15.21	97.75	83.90	116.51
2012	12.35	8.03	0.01	0.00	0.02	119.05	6.41	0.02	1.11	20.41	13.88	125.47	85.36	146.99
2013	14.70	8.44	0.01	0.00	0.02	145.63	8.24	0.02	1.32	23.17	12.99	153.88	86.27	178.38
2014	15.47	8.97	0.04	0.05	0.04	153.18	8.94	0.03	1.52	24.56	13.05	162.14	86.14	188.23
2015	17.77	10.37	0.09	0.11	0.09	177.34	10.89	0.07	1.94	28.43	13.00	188.31	86.11	218.67
2016	19.58	11.04	0.09	0.11	0.09	198.68	12.71	0.07	2.28	30.90	12.63	211.45	86.44	244.64
2017	21.09	11.56	0.09	0.11	0.09	216.36	14.19	0.07	2.59	32.94	12.38	230.62	86.65	266.15
2018	22.27	11.75	0.09	0.11	0.09	231.04	15.48	0.08	2.84	34.33	12.10	246.60	86.90	283.77
2019	23.15	11.84	0.09	0.12	0.10	241.33	16.52	0.11	3.05	35.29	11.91	257.95	87.06	296.29
2020	24.07	12.00	0.10	0.13	0.10	252.33	17.62	0.16	3.26	36.40	11.75	270.12	87.20	309.79
EW-2														
2008	7.32	7.19	0.00	0.00	0.00	60.14	2.63	0.00	0.06	14.51	18.76	62.77	81.17	77.34
2009	27.02	30.43	0.00	0.00	0.00	135.91	11.38	0.00	2.41	57.45	27.73	147.29	71.10	207.15
2010	42.78	48.08	0.00	0.00	0.00	274.63	20.73	0.00	2.41	90.86	23.38	295.37	76.00	388.64
2011	54.17	61.84	0.00	0.00	0.01	375.15	28.82	0.00	2.42	116.02	22.21	403.97	77.33	522.42
2012	80.51	94.92	0.24	0.07	1.43	592.16	50.84	0.18	5.57	177.17	21.45	643.18	77.87	825.91
2013	103.55	125.22	0.29	0.14	2.45	793.49	72.66	0.18	5.97	231.65	20.98	866.33	78.48	1103.95
2014	110.82	135.72	0.59	0.82	2.93	845.66	81.18	0.35	8.18	250.89	21.15	927.19	78.16	1186.27
2015	134.05	174.19	2.04	2.59	6.04	1014.31	112.11	1.82	14.55	318.91	21.82	1128.23	77.19	1461.69
2016	158.28	215.56	3.52	4.35	9.13	1195.65	146.21	3.74	20.92	390.83	22.24	1345.61	76.57	1757.36
2017	179.60	251.84	5.23	6.30	12.59	1354.47	175.80	5.54	27.46	455.56	22.57	1535.80	76.07	2018.82
2018	197.73	280.96	6.82	8.03	15.30	1508.49	199.64	7.60	33.23	508.84	22.54	1715.73	75.99	2257.80
2019	213.07	304.21	8.34	9.55	17.07	1641.87	219.60	10.37	38.71	552.25	22.42	1871.84	76.00	2462.80
2020	227.92	323.42	9.69	10.89	19.32	1759.35	239.22	13.27	43.59	591.24	22.34	2011.84	76.01	2646.67
EW-3														
2008	0.66	0.33	0.00	0.00	0.02	0.07	0.09	0.05	0.10	1.01	76.52	0.21	15.86	1.31
2009	16.84	7.79	0.00	0.00	0.06	2.00	1.96	0.05	2.59	24.68	78.91	4.01	12.81	31.28
2010	34.36	20.43	0.00	0.00	0.75	3.62	3.83	0.05	5.18	55.54	81.42	7.49	10.99	68.21
2011	47.85	31.28	0.00	0.00	1.33	4.65	5.25	0.05	7.15	80.46	82.48	9.95	10.20	97.55
2012	74.86	53.89	0.06	0.02	2.53	6.39	8.05	0.33	11.17	131.36	83.51	14.77	9.39	157.30
2013	107.19	83.93	0.08	0.04	3.72	8.26	11.39	0.95	16.25	194.96	84.11	20.59	8.88	231.80
2014	126.71	104.02	0.25	0.79	4.31	9.27	14.07	1.53	19.87	236.09	84.07	24.87	8.86	280.83
2015	174.51	146.52	0.84	1.50	6.48	11.92	21.44	3.23	27.63	329.85	83.70	36.59	9.29	394.07
2016	187.62	159.51	1.00	1.68	7.05	12.42	22.22	3.44	29.62	356.86	84.05	38.09	8.97	424.57
2017	195.67	170.34	1.14	1.85	7.55	12.71	22.65	3.58	31.04	376.55	84.33	38.94	8.72	446.53
2018	202.85	183.37	1.32	2.05	8.21	13.03	22.99	3.66	32.53	397.80	84.64	39.68	8.44	470.01
2019	208.43	195.32	1.48	2.24	8.80	13.28	23.24	3.67	33.83	416.27	84.90	40.19	8.20	490.29
2020	212.50	205.03	1.61	2.41	9.27	13.47	23.42	3.71	34.79	430.82	85.10	40.61	8.02	506.23

Notes:

1. Mass reported in pounds (lbs).
2. For non-detects, zero is used.
3. "VOCs" designates volatile organic compounds.
4. "BTEX" designates benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
5. "CVOCs" designates trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC).
6. "%" designates percent of the calculated total mass.
7. Calculated total mass designates the sum of the nine dominant constituents.

Table 2-6
Cumulative Mass of VOCs Removed from Individual Extraction Wells
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of CVOCs		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
EW-4														
2015	13.24	11.58	0.20	0.23	0.75	0.67	2.85	0.65	2.19	26.01	80.32	4.18	12.90	32.38
2016	58.42	66.49	1.04	1.19	3.98	3.33	14.90	2.44	11.64	131.11	80.23	20.67	12.65	163.43
2017	100.71	137.84	2.23	2.60	8.61	5.23	29.15	4.10	22.98	251.98	80.39	38.48	12.28	313.44
2018	137.46	209.95	3.42	3.96	13.27	6.20	43.16	5.43	33.60	368.07	80.63	54.80	12.01	456.47
2019	172.22	292.16	4.87	5.61	19.10	6.77	57.55	7.01	45.42	493.97	80.88	71.33	11.68	610.72
2020	204.06	375.69	6.25	7.26	24.76	7.23	71.53	8.35	55.97	618.02	81.20	87.11	11.45	761.10
EW-5														
2015	19.46	7.44	0.11	0.17	0.46	0.82	5.46	0.70	3.50	27.65	72.54	6.97	18.29	38.12
2016	39.30	16.67	0.21	0.28	0.95	1.31	8.87	1.21	6.49	57.40	76.25	11.39	15.13	75.28
2017	55.31	30.30	0.41	0.52	1.65	1.59	11.62	1.69	9.61	88.19	78.25	14.90	13.22	112.71
2018	70.45	48.94	0.69	0.83	2.62	1.79	14.14	2.23	13.14	123.53	79.79	18.16	11.73	154.83
2019	84.99	70.15	1.02	1.21	3.81	1.93	16.80	2.98	17.09	161.18	80.60	21.71	10.85	199.98
2020	100.51	97.69	1.41	1.67	5.29	2.06	19.68	3.75	21.33	206.58	81.52	25.49	10.06	253.40
EW-6														
2015	27.89	29.54	0.50	0.55	1.91	0.19	8.55	2.47	5.94	60.39	77.87	11.22	14.46	77.55
2016	142.70	177.60	2.78	3.17	10.94	1.83	55.78	11.49	34.00	337.19	76.58	69.10	15.69	440.29
2017	262.71	353.19	5.88	6.76	22.95	3.31	110.27	20.26	69.92	651.48	76.18	133.84	15.65	855.24
2018	357.15	512.34	8.63	9.90	33.60	3.84	152.64	27.28	101.15	921.62	76.39	183.76	15.23	1206.53
2019	441.54	693.39	11.91	13.55	46.79	3.85	190.84	35.63	135.37	1207.19	76.75	230.31	14.64	1572.88
2020	517.67	851.10	14.66	16.77	57.69	3.99	227.53	41.45	163.94	1457.90	76.94	272.97	14.41	1894.81
EW-7														
2015	11.97	12.14	0.20	0.23	0.74	0.00	1.74	1.06	2.34	25.27	83.08	2.80	9.21	30.41
2016	84.91	121.21	1.87	2.01	6.90	0.00	21.61	8.67	20.92	216.90	80.90	30.29	11.30	268.11
2017	149.16	254.63	3.91	4.30	14.71	0.00	40.06	17.61	40.76	426.71	81.26	57.67	10.98	525.14
2018	204.99	389.71	5.98	6.57	22.56	0.00	50.51	25.08	59.09	629.81	82.38	75.59	9.89	764.49
2019	251.19	511.88	7.81	8.57	29.70	0.00	53.74	29.87	74.94	809.15	83.62	83.61	8.64	967.71
2020	295.34	625.20	9.36	10.45	36.05	0.00	55.06	32.36	88.48	976.41	84.73	87.43	7.59	1152.31
EW-8														
2015	1.84	0.27	0.00	0.00	0.02	0.00	0.00	0.00	0.11	2.14	94.82	0.01	0.49	2.26
2016	4.97	0.37	0.00	0.00	0.02	0.00	0.01	0.00	0.26	5.36	95.13	0.01	0.21	5.63
2017	7.23	0.40	0.00	0.00	0.02	0.00	0.01	0.00	0.40	7.66	94.83	0.01	0.18	8.08
2018	8.96	0.44	0.01	0.00	0.02	0.01	0.01	0.00	0.51	9.43	94.66	0.02	0.23	9.96
2019	10.40	0.45	0.01	0.00	0.02	0.01	0.02	0.00	0.60	10.89	94.57	0.02	0.22	11.51
2020	11.85	0.46	0.01	0.00	0.02	0.01	0.02	0.00	0.69	12.34	94.46	0.03	0.25	13.07

Notes:

1. Mass reported in pounds (lbs).
2. For non-detects, zero is used.
3. "VOCs" designates volatile organic compounds.
4. "BTEX" designates benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
5. "CVOCs" designates trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC).
6. "%" designates percent of the calculated total mass.
7. Calculated total mass designates the sum of the nine dominant constituents.

Table 2-7
Annual Mass of VOCs Removed from
Groundwater Extraction System in 2020
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Total Mass of BTEX		Total Mass of CVOCs		Total Mass of Chlorobenzene		Calculated Total Mass
	lbs	%	lbs	%	lbs	%	
EW-1	1.11	8.22	12.17	90.17	0.22	1.62	13.50
EW-2	38.99	21.21	140.00	76.14	4.88	2.65	183.87
EW-3	14.55	91.29	0.42	2.66	0.96	6.05	15.94
EW-4	124.05	82.50	15.78	10.49	10.54	7.01	150.37
EW-5	45.40	84.99	3.78	7.08	4.24	7.93	53.42
EW-6	250.70	77.87	42.66	13.25	28.57	8.87	321.94
EW-7	167.26	90.60	3.81	2.06	13.54	7.33	184.60
EW-8	1.45	93.66	0.008	0.51	0.09	5.83	1.55
Total:							925.19

Notes:

1. Mass reported in pounds (lbs).
2. For non-detects, zero is used.
3. "VOCs" designates volatile organic compounds.
4. "BTEX" designates benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
5. "CVOCs" designates trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC).
6. "%" designates percent of the calculated total mass.
7. Calculated total mass designates the sum of the nine dominant constituents.

Table 2-8
Cumulative Mass of VOCs Removed from
Groundwater Extraction System Through 2020
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Total Mass of BTEX		Total Mass of CVOCs		Total Mass of Chlorobenzene		Calculated Total Mass
	lbs	%	lbs	%	lbs	%	
EW-1	36.40	11.75	270.12	87.20	3.26	1.05	309.79
EW-2	591.24	22.34	2011.84	76.01	43.59	1.65	2646.67
EW-3	430.82	85.10	40.61	8.02	34.79	6.87	506.23
EW-4	618.02	81.20	87.11	11.45	55.97	7.35	761.10
EW-5	206.58	81.52	25.49	10.06	21.33	8.42	253.40
EW-6	1457.90	76.94	272.97	14.41	163.94	8.65	1894.81
EW-7	976.41	84.73	87.43	7.59	88.48	7.68	1152.31
EW-8	12.34	94.46	0.03	0.25	0.69	5.29	13.07
Total:							7537.37

Notes:

1. Mass reported in pounds (lbs).
2. For non-detects, zero is used.
3. "VOCs" designates volatile organic compounds.
4. "BTEX" designates benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
5. "CVOCs" designates trichloroethene (TCE), cis-1,2-dichloroethene (cDCE), and vinyl chloride (VC).
6. "%" designates percent of the calculated total mass.
7. Calculated total mass designates the sum of the nine dominant constituents.
8. Extraction wells EW-1 through EW-3 have been operating since 2008. Extraction wells EW-4 through EW-8 have been operating since 2015.

Table 3-1
Water Level Measurements - June 15, 2020
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	Dry	NA
OMW-102	Bedrock	639.14	636.5	64.62	574.52
OMW-103	Bedrock	643.76	642.3	9.81	633.95
OMW-107	Overburden	625.51	623.2	4.87	620.64
OMW-108	Bedrock	625.08	623.2	37.37	587.71
OMW-201	Bedrock	639.17	636.9	63.97	575.20
OMW-202	Bedrock	656.23	654.4	93.27	562.96
OMW-204	Bedrock	648.41	648.0	85.22	563.19
OMW-205	Bedrock	650.98	650.2	32.09	618.89
OMW-206	Bedrock	618.01	615.9	29.74	588.27
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	69.98	585.01
OMW-213	Bedrock	668.04	665.9	Dry	NA
OMW-214	Bedrock	655.57	654.8	41.92	613.65
OMW-215	Bedrock	657.05	654.8	89.60	567.45
OMW-216	Bedrock	658.15	656.7	49.65	608.50
OMW-218	Bedrock	654.18	651.5	68.05	586.13
OMW-219	Bedrock	665.57	664.1	105.90	559.67
OMW-220	Bedrock	636.34	634.1	48.92	587.42
OMW-221*	Bedrock	592.25	591.1	7.00	599.25
OMW-222	Bedrock	599.65	597.7	34.90	564.75
OMW-223	Bedrock	595.21	593.1	13.27	581.94
OPZ-207	Bedrock	648.60	647.4	65.25	583.35
OPZ-217	Bedrock	665.63	663.8	18.75	646.88
EPA-1A	Bedrock	669.79	667.1	85.41	584.38
EPA-1B	Bedrock	669.79	667.1	89.95	579.84
EPA-1C	Bedrock	669.79	667.1	89.98	579.81
EPA-2A	Bedrock	621.23	618.4	16.78	604.45
EPA-2B	Bedrock	621.24	618.4	16.89	604.35
EPA-2C	Bedrock	621.24	618.4	22.33	598.91
EPA-3A	Bedrock	688.72	685.4	Dry	NA
EPA-3B	Bedrock	688.72	685.4	108.12	580.60
EPA-3C	Bedrock	688.73	685.4	104.29	584.44
EPA-4A	Bedrock	690.53	688.1	104.75	585.78
EPA-4B	Bedrock	690.60	688.1	103.49	587.11
EPA-5A	Bedrock	628.86	625.3	7.10	621.76
EPA-5B	Bedrock	628.88	625.3	10.18	618.70

Notes:

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is reported in feet above measuring point.
3. "NA" designates not applicable.
4. OMW-204, OMW-214, and OMW-219 were recompleted in May 2017 and OMW-204 was deepened.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep open bedrock boreholes that were converted to water FLUTes in July 2017.

Table 3-2
Water Level Measurements - November 9, 2020
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	Dry	NA
OMW-102	Bedrock	639.14	636.5	64.76	574.38
OMW-103	Bedrock	643.76	642.3	9.15	634.61
OMW-107	Overburden	625.51	623.2	4.93	620.58
OMW-108	Bedrock	625.08	623.2	37.70	587.38
OMW-201	Bedrock	639.17	636.9	63.61	575.56
OMW-202	Bedrock	656.23	654.4	97.52	558.71
OMW-204	Bedrock	648.41	648.0	84.98	563.43
OMW-205	Bedrock	650.98	650.2	32.32	618.66
OMW-206	Bedrock	618.01	615.9	30.13	587.88
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	70.29	584.70
OMW-213	Bedrock	668.04	665.9	Dry	NA
OMW-214	Bedrock	655.57	654.8	41.70	613.87
OMW-215	Bedrock	657.05	654.8	90.79	566.26
OMW-216	Bedrock	658.15	656.7	50.16	607.99
OMW-218	Bedrock	654.18	651.5	69.55	584.63
OMW-219	Bedrock	665.57	664.1	107.77	557.80
OMW-220	Bedrock	636.34	634.1	48.84	587.50
OMW-221*	Bedrock	592.25	591.1	7.08	599.33
OMW-222	Bedrock	599.65	597.7	34.05	565.60
OMW-223	Bedrock	595.21	593.1	12.85	582.36
OPZ-207	Bedrock	648.60	647.4	65.49	583.11
OPZ-217	Bedrock	665.63	663.8	25.66	639.97
EPA-1A	Bedrock	669.79	667.1	84.66	585.13
EPA-1B	Bedrock	669.79	667.1	89.75	580.04
EPA-1C	Bedrock	669.79	667.1	90.62	579.17
EPA-2A	Bedrock	621.23	618.4	16.85	604.38
EPA-2B	Bedrock	621.24	618.4	17.07	604.17
EPA-2C	Bedrock	621.24	618.4	22.94	598.30
EPA-3A	Bedrock	688.72	685.4	Dry	NA
EPA-3B	Bedrock	688.72	685.4	108.39	580.33
EPA-3C	Bedrock	688.73	685.4	104.54	584.19
EPA-4A	Bedrock	690.53	688.1	104.40	586.13
EPA-4B	Bedrock	690.60	688.1	103.44	587.16
EPA-5A	Bedrock	628.86	625.3	7.40	621.46
EPA-5B	Bedrock	628.88	625.3	10.74	618.14

Notes:

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is reported in feet above measuring point.
3. "NA" designates not applicable.
4. OMW-204, OMW-214, and OMW-219 were recompleted in May 2017 and OMW-204 was deepened.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep open bedrock boreholes that were converted to water FLUTes in July 2017.

Table 4-1
Spring 2020 Groundwater Sampling
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	VOCs (USEPA 8260C)	1,4-Dioxane (USEPA 8270D SIM)
EPA-1A	X	
EPA-1B	X	
EPA-1C	X	
EPA-2A	X	
EPA-2B	X	
EPA-2C	X	
EPA-3A	X ^A	
EPA-3B	X	
EPA-3C	X	
OMW-102	X	X
OMW-201	X ^B	X ^B
OMW-204	X ^A	
OMW-205	X	X
OMW-211	X ^A	
OMW-213	X ^A	
OMW-215	X	X
OMW-219	X	

Notes:

1. "VOCs" designates volatile organic compounds.
2. "USEPA" designates United States Environmental Protection Agency.
3. "SIM" designates selected ion monitoring.
4. "A" designates the well was dry. A sample was not collected.
5. "B" designates a blind duplicate was collected at this monitoring location.
6. Matrix spike/matrix spike duplicate (MS/MSD) sample pairs were collected from two multi-level monitoring well ports sampled at the request of USEPA under the Remedial Investigation/Feasibility Study Work Plan; MS/MSD sample pairs were not collected from monitoring wells or monitoring well ports sampled under the Groundwater Monitoring Plan. See Appendix D for further detail.

Table 4-2
Fall 2020 Groundwater Sampling
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	VOCs (USEPA 8260C)	1,4-Dioxane (USEPA 8270D SIM)
EPA-1A	X	X
EPA-1B	X	X
EPA-1C	X	X
EPA-2A	X	X
EPA-2B	X	X
EPA-2C	X	X
EPA-3A	X ^A	X ^A
EPA-3B	X	X
EPA-3C	X	X
EPA-4A	X ^C	X ^C
EPA-4B	X	X
EPA-5A	X ^C	X
EPA-5B	X	X
OMW-101	X ^A	
OMW-102	X ^B	X ^B
OMW-103	X	
OMW-201	X	X
OMW-202	X ^B	
OMW-204	X ^A	
OMW-205	X	X
OMW-211	X ^A	
OMW-213	X ^A	
OMW-214	X	X
OMW-215	X	X
OMW-216	X	X
OMW-218	X	
OMW-219	X	X
OMW-221	X	
OMW-222	X	
OMW-223	X	

Notes:

1. "VOCs" designates volatile organic compounds.
2. "USEPA" designates United States Environmental Protection Agency.
3. "SIM" designates selected ion monitoring.
4. "A" designates the well was dry. A sample was not collected.
5. "B" designates a blind duplicate was collected at this sample location.
6. "C" designates a matrix spike/matrix spike duplicate was collected at this sample location.

Table 4-3
Summary of Spring 2020 Field Parameter Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Date Sampled	Temperature (°C)	pH (standard units)	Specific Conductivity (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EPA-1A	19-Jun-20	14.80	8.92	450.8	-61.4	2.19	0.31
EPA-1B	19-Jun-20	15.40	8.22	354.2	-63.1	1.79	0.14
EPA-1C	19-Jun-20	14.10	8.28	334.4	-67.8	1.67	0.21
EPA-2A	18-Jun-20	13.50	8.00	385.6	-113.7	1.94	0.19
EPA-2B	18-Jun-20	13.60	8.08	418.7	-51.2	1.27	1.17
EPA-2C	18-Jun-20	17.10	8.13	384.4	-94.2	1.22	0.98
EPA-3A	NA	NM	NM	NM	NM	NM	NM
EPA-3B	23-Jun-20	13.80	9.47	597.0	-40.1	0.74	1.69
EPA-3C	23-Jun-20	14.50	9.53	611.4	-47.3	0.72	3.60
OMW-102	16-Jun-20	13.80	8.02	190.4	-161.2	0.35	11.80
OMW-201	16-Jun-20	11.10	7.26	625.2	-115.6	2.99	28.80
OMW-204	NA	NM	NM	NM	NM	NM	NM
OMW-205	16-Jun-20	9.90	7.79	402.7	-172.7	0.29	16.20
OMW-211	NA	NM	NM	NM	NM	NM	NM
OMW-213	NA	NM	NM	NM	NM	NM	NM
OMW-215	17-Jun-20	10.40	9.79	507.9	-9.5	0.00	1.82
OMW-219	17-Jun-20	10.30	9.69	806.0	-284.6	0.19	7.16

Notes:

1. "°C" designates degrees Celsius.
2. "µS/cm" designates microsiemens per centimeter.
3. "ORP" designates oxidation-reduction potential.
4. "mV" designates millivolts.
5. "mg/L" designates milligrams per liter.
6. "NTU" designates nephelometric turbidity units.
7. Results reflect final reading at the end of purging.
8. "NA" designates not applicable.
9. "NM" designates not measured.

Table 4-4
Summary of Fall 2020 Field Parameter Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Date Sampled	Temperature (°C)	pH (standard units)	Specific Conductivity (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
EPA-1A	13-Nov-20	9.1	9.79	375.2	-98.1	2.88	0.50
EPA-1B	13-Nov-20	9.3	10.17	475.0	-120.5	1.61	0.88
EPA-1C	13-Nov-20	9.5	10.37	353.1	-128.2	0.81	0.80
EPA-2A	16-Nov-20	9.9	7.80	440.9	-102.7	1.72	0.57
EPA-2B	16-Nov-20	9.6	7.85	490.0	-92.6	1.31	0.60
EPA-2C	16-Nov-20	9.7	7.93	453.3	-97.7	1.18	0.51
EPA-3A	NA	NM	NM	NM	NM	NM	NM
EPA-3B	11-Nov-20	12.2	9.10	807.0	89.1	1.09	1.29
EPA-3C	11-Nov-20	12.8	9.10	839.0	75.3	0.74	2.71
EPA-4A	10-Nov-20	11.6	7.99	497.8	-30.5	0.99	0.64
EPA-4B	10-Nov-20	11.9	9.12	608.2	-1.6	0.84	3.26
EPA-5A	12-Nov-20	10.2	7.62	213.3	74.4	2.44	0.38
EPA-5B	12-Nov-20	9.6	7.75	296.4	51.2	1.07	0.52
OMW-101	NA	NM	NM	NM	NM	NM	NM
OMW-102	10-Nov-20	12.1	7.51	490.9	-168.0	0.17	11.6
OMW-103	18-Nov-20	9.0	5.87	77.4	128.0	2.63	16.5
OMW-201	10-Nov-20	11.6	7.44	1,201.0	-203.5	0.22	3.70
OMW-202	12-Nov-20	9.6	8.42	552.0	167.3	1.09	13.8
OMW-204	NA	NM	NM	NM	NM	NM	NM

Notes:

1. "°C" designates degrees Celsius.
2. "µS/cm" designates microsiemens per centimeter.
3. "ORP" designates oxidation-reduction potential.
4. "mV" designates millivolts.
5. "mg/L" designates milligrams per liter.
6. "NTU" designates nephelometric turbidity units.
7. Results reflect final reading at the end of purging.
8. "NA" designates not applicable.
9. "NM" designates not measured.
10. "*" indicates value biased high due to air bubbles in flow cell.

Table 4-4
Summary of Fall 2020 Field Parameter Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Date Sampled	Temperature (°C)	pH (standard units)	Specific Conductivity (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
OMW-205	11-Nov-20	11.7	7.89	428.4	-134.0	0.34	9.51
OMW-211	NA	NM	NM	NM	NM	NM	NM
OMW-213	NA	NM	NM	NM	NM	NM	NM
OMW-214	11-Nov-20	13.6	9.94	476.0	32.9	0.78	0.30
OMW-215	12-Nov-20	9.6	9.50	585.9	-157.9	0.15	3.27
OMW-216	11-Nov-20	11.0	7.49	480.7	-152.6	0.23	6.39
OMW-218	16-Nov-20	9.9	9.54	501.1	107.7	0.17	1.79
OMW-219	16-Nov-20	9.5	10.18	870.0	-196.4	6.83*	0.21
OMW-221	16-Nov-20	9.4	8.12	504.7	-106.7	0.06	0.67
OMW-222	13-Nov-20	9.6	8.21	254.1	-85.6	0.34	0.42
OMW-223	13-Nov-20	10.5	8.83	485.6	-84.2	0.08	0.97

Notes:

1. "°C" designates degrees Celsius.
2. "µS/cm" designates microsiemens per centimeter.
3. "ORP" designates oxidation-reduction potential.
4. "mV" designates millivolts.
5. "mg/L" designates milligrams per liter.
6. "NTU" designates nephelometric turbidity units.
7. Results reflect final reading at the end of purging.
8. "NA" designates not applicable.
9. "NM" designates not measured.
10. "*" indicates value biased high due to air bubbles in flow cell.

Table 4-5
VOCs Detected in Spring 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID	EPA-1A	EPA-1B	EPA-1C	EPA-2A	EPA-2B
	Sample ID	MW-B-EPA-1A-06192020	MW-B-EPA-1B-06192020	MW-B-EPA-1C-06192020	MW-B-EPA-2A-06182020	MW-B-EPA-2B-06182020
	Sample Date	6/19/2020	6/19/2020	6/19/2020	6/18/2020	6/18/2020
1,1-Dichloroethane		8.6	5.1	3.2	---	---
1,1-Dichloroethene		7.4	6.5	6.1	---	---
1,2-Dichloroethane		21	12	10	---	0.59 J
1,4-Dichlorobenzene		---	---	---	---	---
2-Butanone		---	---	---	---	---
4-Methyl-2-Pentanone		---	---	---	---	---
Acetone		---	---	---	---	---
Benzene		8.3	56	41	0.39 J	1.2
Chlorobenzene		13	8.5	5.7	---	---
Chloroethane		1.5 J	---	1.7	---	---
cis-1,2-Dichloroethene		320	730 J	870 J	4.1	3.0
Ethylbenzene		---	---	---	---	---
m,p-Xylene		---	---	---	---	---
o-Xylene		---	---	---	---	---
Tetrachloroethene		3.9	1.1	---	---	---
Toluene		1.5 J	1.5	2.3	---	---
trans-1,2-Dichloroethene		1.6 J	2.5 J	2.3 J	---	---
Trichloroethene		1,800	440 J	220	3.0	35
Vinyl Chloride		0.84 J	0.83 J	0.93 J	---	---

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C
by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania, and Eurofins TestAmerica Laboratories, Inc. in Edison, New Jersey.
4. Blind duplicate samples are shown immediately after their parent sample.
5. "---" designates compound was not detected in that monitoring well in June 2020.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-5
VOCs Detected in Spring 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID	EPA-2C	EPA-3B	EPA-3C	OMW-102	OMW-201
	Sample ID	MW-B-EPA-2C-06182020	MW-B-EPA-3B-06232020	MW-B-EPA-3C-06232020	MW-B-OMW-102-06162020	MW-B-OMW-201-06162020
Sample Date		6/18/2020	6/23/2020	6/23/2020	6/16/2020	6/16/2020
1,1-Dichloroethane		1.3	---	---	---	---
1,1-Dichloroethene		0.82 J	---	---	---	---
1,2-Dichloroethane		3.0	---	---	---	---
1,4-Dichlorobenzene		---	---	---	---	22 J
2-Butanone		---	---	---	---	---
4-Methyl-2-Pentanone		---	---	---	---	---
Acetone		---	---	---	---	---
Benzene		14	5.3	8.4	930	14,000
Chlorobenzene		1.3	---	0.40 J	13	3,400
Chloroethane		---	---	---	1.1 J	49
cis-1,2-Dichloroethene		40	0.44 J	0.78 J	---	---
Ethylbenzene		---	---	---	---	290
m,p-Xylene		---	---	---	---	990
o-Xylene		---	---	---	---	220
Tetrachloroethene		0.34 J	---	---	---	---
Toluene		---	0.58 J	1.5	---	770
trans-1,2-Dichloroethene		---	---	---	---	8.6 J
Trichloroethene		130	0.48 J	0.70 J	---	---
Vinyl Chloride		0.28 J	---	---	---	---

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C
by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania, and Eurofins TestAmerica Laboratories, Inc. in Edison, New Jersey.
4. Blind duplicate samples are shown immediately after their parent sample.
5. "---" designates compound was not detected in that monitoring well in June 2020.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-5
VOCs Detected in Spring 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	OMW-201	OMW-205	OMW-215	OMW-219
Sample ID	DUP-001-06162020	MW-B-OMW-205-06162020	MW-B-OMW-215-06172020	MW-B-OMW-219-06172020
Compound	Sample Date	6/16/2020	6/17/2020	6/17/2020
1,1-Dichloroethane		---	0.21 J	1.1
1,1-Dichloroethene		---	---	---
1,2-Dichloroethane		---	---	---
1,4-Dichlorobenzene	20 J	0.38 J	---	---
2-Butanone	---	---	---	2.6 J
4-Methyl-2-Pentanone	---	---	---	3.2 J
Acetone	---	---	---	40
Benzene	12,000	0.70 J	74	450
Chlorobenzene	3,100	51	1.9	23
Chloroethane	48	---	---	---
cis-1,2-Dichloroethene	---	3.2	---	2.1
Ethylbenzene	250	---	---	1.5
m,p-Xylene	890	---	---	4.1 J
o-Xylene	190	---	---	1.7
Tetrachloroethene	---	---	---	---
Toluene	730	---	3.4	160
trans-1,2-Dichloroethene	8.0 J	---	---	---
Trichloroethene	---	0.46 J	---	1.2
Vinyl Chloride	---	0.49 J	---	0.44 J

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C
by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania, and Eurofins TestAmerica Laboratories, Inc. in Edison, New Jersey.
4. Blind duplicate samples are shown immediately after their parent sample.
5. "---" designates compound was not detected in that monitoring well in June 2020.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-6
1,4-Dioxane Detected in Spring 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID		OMW-102	OMW-201	OMW-201	OMW-205	OMW-215
Sample ID		MW-B-OMW-102-06162020	MW-B-OMW-201-06162020	DUP-001-06162020	MW-B-OMW-205-06162020	MW-B-OMW-215-06172020
Compound	Sample Date	6/16/2020	6/16/2020	6/16/2020	6/16/2020	6/17/2020
1,4-Dioxane		21	700	650	2.6	1.7

Notes:

1. Results are in micrograms per liter (µg/L).
2. 1,4-Dioxane analyzed by United States Environmental Protection Agency SW-846 Method 8270D selected ion monitoring (SIM) by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania.
3. Blind duplicate samples are shown immediately after their parent sample.

Table 4-7
VOCs Detected in Fall 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID	EPA-1A		EPA-1B		EPA-1C		EPA-2A		EPA-2B	
	Sample ID	MW-B-EPA-1A-11132020		MW-B-EPA-1B-11132020		MW-B-EPA-1C-11132020		MW-B-EPA-2A-11162020		MW-B-EPA-2B-11162020	
	Sample Date	11/13/2020		11/13/2020		11/13/2020		11/16/2020		11/16/2020	
1,1-Dichloroethane		10		5.4		3.6		---		---	
1,1-Dichloroethene		7.7		6.2		5.7		---		---	
1,2-Dichloroethane		22		12		9.7		---		0.64 J	
1,4-Dichlorobenzene		---		---		---		---		---	
2-Butanone		3.5 J		---		---		---		---	
4-Methyl-2-Pentanone		---		---		---		---		---	
Acetone		0.84 J		---		---		---		---	
Benzene		8.5		54		42		0.36 J		1.1	
Carbon Disulfide		---		---		---		---		---	
Chlorobenzene		14		8.6		6.4		---		---	
Chloroethane		1.7		1.3		2.0		---		---	
cis-1,2-Dichloroethene		300		720		830		4.5		2.9	
Ethylbenzene		---		---		---		---		---	
m,p-Xylene		---		---		---		---		---	
Methylene Chloride		0.94 J		---		---		---		---	
o-Xylene		---		---		---		---		---	
Tetrachloroethene		3.6		0.75 J		---		---		---	
Toluene		1.5		1.6		2.4		---		---	
trans-1,2-Dichloroethene		0.85 J		2.3		2.3		---		---	
Trichloroethene		1,800		410		210		2.4		36	
Vinyl Chloride		1.2		1.1		0.94 J		---		---	

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania.
4. Blind duplicate samples are shown immediately after their parent sample.
5. "---" designates compound was not detected in that monitoring well in November 2020.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-7
VOCs Detected in Fall 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID	EPA-2C		EPA-3B		EPA-3C		EPA-4A		EPA-4B	
	Sample ID	MW-B-EPA-2C-11162020		MW-B-EPA-3B-11112020		MW-B-EPA-3C-11112020		MW-B-EPA-4A-11102020		MW-B-EPA-4B-11102020	
	Sample Date	11/16/2020		11/11/2020		11/11/2020		11/10/2020		11/10/2020	
1,1-Dichloroethane		1.3		---		---		---		---	
1,1-Dichloroethene		0.71 J		---		---		---		---	
1,2-Dichloroethane		2.9		---		0.30 J		---		---	
1,4-Dichlorobenzene		---		---		---		---		---	
2-Butanone		0.62 J		---		---		---		---	
4-Methyl-2-Pentanone		---		---		---		---		---	
Acetone		---		---		---		1.1 J		---	
Benzene		13		5.4		9.0		---		---	
Carbon Disulfide		---		---		---		---		---	
Chlorobenzene		1.3		0.24 J		0.39 J		---		---	
Chloroethane		---		---		---		---		---	
cis-1,2-Dichloroethene		46		0.50 J		0.75 J		---		---	
Ethylbenzene		---		---		---		---		---	
m,p-Xylene		---		---		---		---		---	
Methylene Chloride		---		---		---		---		---	
o-Xylene		---		---		---		---		---	
Tetrachloroethene		0.30 J		---		---		---		---	
Toluene		---		0.48 J		0.68 J		---		3.7	
trans-1,2-Dichloroethene		---		---		---		---		---	
Trichloroethene		150		0.47 J		0.75 J		---		---	
Vinyl Chloride		0.20 J		---		---		---		---	

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania.
4. Blind duplicate samples are shown immediately after their parent sample.
5. "---" designates compound was not detected in that monitoring well in November 2020.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-7
VOCs Detected in Fall 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID	OMW-102		OMW-201		OMW-202	
	Sample ID	MW-B-OMW-102-11102020	DUP-001-11102020	MW-B-OMW-201-11102020	MW-B-OMW-202-11122020	DUP-002-11122020	
	Sample Date	11/10/2020	11/10/2020	11/10/2020	11/12/2020	11/12/2020	
1,1-Dichloroethane		---	---	---	---	---	
1,1-Dichloroethene		---	---	---	---	---	
1,2-Dichloroethane		---	---	---	0.36 J	0.38 J	
1,4-Dichlorobenzene		---	---	11 J	---	---	
2-Butanone		---	---	---	---	---	
4-Methyl-2-Pentanone		---	---	---	---	---	
Acetone		---	---	---	---	---	
Benzene		2,000	1,800	13,000	6.3	6.5	
Carbon Disulfide		---	---	---	---	---	
Chlorobenzene		26	25	2,800	0.40 J	0.38 J	
Chloroethane		1.6 J	1.7 J	40	---	---	
cis-1,2-Dichloroethene		---	---	---	1.2	1.2	
Ethylbenzene		---	---	180	---	---	
m,p-Xylene		---	---	590	---	---	
Methylene Chloride		---	---	---	---	---	
o-Xylene		---	---	110	---	---	
Tetrachloroethene		---	---	---	---	---	
Toluene		---	---	590	---	---	
trans-1,2-Dichloroethene		---	---	6.6 J	---	---	
Trichloroethene		---	---	---	1.0	0.93 J	
Vinyl Chloride		---	---	---	---	---	

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania.
4. Blind duplicate samples are shown immediately after their parent sample.
5. "---" designates compound was not detected in that monitoring well in November 2020.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-7
VOCs Detected in Fall 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Location ID	OMW-205	OMW-214	OMW-215	OMW-216	OMW-219
	Sample ID	MW-B-OMW-205-11112020	MW-B-OMW-214-11112020	MW-B-OMW-215-11122020	MW-B-OMW-216-11112020	MW-B-OMW-219-11162020
Compound	Sample Date	11/11/2020	11/11/2020	11/12/2020	11/11/2020	11/16/2020
1,1-Dichloroethane		---	---	---	---	1.0
1,1-Dichloroethene		---	---	---	---	---
1,2-Dichloroethane		0.31 J	---	---	0.36 J	12
1,4-Dichlorobenzene		0.27 J	---	---	---	---
2-Butanone		---	---	---	---	3.0 J
4-Methyl-2-Pentanone		---	---	---	---	2.8 J
Acetone		---	0.78 J	---	---	66
Benzene		0.66 J	---	79	0.42 J	460
Carbon Disulfide		---	0.53 J	---	---	0.27 J
Chlorobenzene		44	0.27 J	1.9	2.8	22
Chloroethane		---	---	---	---	---
cis-1,2-Dichloroethene		3.4	---	---	1.4	1.9
Ethylbenzene		---	---	---	---	1.1
m,p-Xylene		---	---	---	---	2.9 J
Methylene Chloride		---	---	---	---	---
o-Xylene		---	---	---	---	1.1
Tetrachloroethene		---	---	---	---	---
Toluene		---	---	3.2	---	140
trans-1,2-Dichloroethene		---	---	---	---	---
Trichloroethene		0.40 J	---	---	0.82 J	0.85 J
Vinyl Chloride		0.55 J	---	---	---	0.50 J

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania.
4. Blind duplicate samples are shown immediately after their parent sample.
5. "---" designates compound was not detected in that monitoring well in November 2020.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-7
VOCs Detected in Fall 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID	OMW-221
	Sample ID	MW-B-OMW-221-11162020
Sample Date	11/16/2020	
1,1-Dichloroethane	---	
1,1-Dichloroethene	---	
1,2-Dichloroethane	---	
1,4-Dichlorobenzene	---	
2-Butanone	---	
4-Methyl-2-Pentanone	---	
Acetone	---	
Benzene	---	
Carbon Disulfide	---	
Chlorobenzene	---	
Chloroethane	---	
cis-1,2-Dichloroethene	---	
Ethylbenzene	---	
m,p-Xylene	---	
Methylene Chloride	---	
o-Xylene	---	
Tetrachloroethene	---	
Toluene	---	
trans-1,2-Dichloroethene	---	
Trichloroethene	1.3	
Vinyl Chloride	---	

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania.
4. Blind duplicate samples are shown immediately after their parent sample.
5. "---" designates compound was not detected in that monitoring well in November 2020.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-8
1,4-Dioxane Detected in Fall 2020 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Location ID	EPA-1A	EPA-1B	EPA-1C	EPA-2C	EPA-3B
	Sample ID	MW-B-EPA-1A-11132020	MW-B-EPA-1B-11132020	MW-B-EPA-1C-11132020	MW-B-EPA-2C-11162020	MW-B-EPA-3B-11112020
Compound	Sample Date	11/13/2020	11/13/2020	11/13/2020	11/16/2020	11/11/2020
1,4-Dioxane		0.48	0.38	1.0	0.32	1.1

	Location ID	EPA-4A	EPA-4B	OMW-102	OMW-102	OMW-201
	Sample ID	MW-B-EPA-4A-11102020	MW-B-EPA-4B-11102020	MW-B-OMW-102-11102020	DUP-001-11102020	MW-B-OMW-201-11102020
Compound	Sample Date	11/10/2020	11/10/2020	11/10/2020	11/10/2020	11/10/2020
1,4-Dioxane		0.59 J	0.57	96	96	750

	Location ID	OMW-205	OMW-214	OMW-215	OMW-216	OMW-219
	Sample ID	MW-B-OMW-205-11112020	MW-B-OMW-214-11112020	MW-B-OMW-215-11122020	MW-B-OMW-216-11112020	MW-B-OMW-219-11162020
Compound	Sample Date	11/11/2020	11/11/2020	11/12/2020	11/11/2020	11/16/2020
1,4-Dioxane		2.8	0.64	2.1	1.1	31

Notes:

1. Results are in micrograms per liter (µg/L).
2. 1,4-Dioxane analyzed by United States Environmental Protection Agency SW-846 Method 8270D selected ion monitoring (SIM) by Eurofins Lancaster Laboratories Environmental, LLC in Lancaster, Pennsylvania.
3. Blind duplicate samples are shown immediately after their parent sample.
4. "J" designates that the detected concentration is considered an estimated value.

Table 4-9
Summary of Extraction Well Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	EW-1	EW-2	EW-3	EW-4	EW-5
Sample ID	EW-1 082620	EW-2 082620	EW-3 082620	EW-4 082620	EW-5 082620
Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020	8/26/2020
Compound					
Volatile Organic Compounds (VOCs) (µg/L)					
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	4.5	115	1.0 U	450	163
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.2	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	1.0 U	2.8	1.0 U	1.8	1.0 U
1,1-Dichloroethane	30.6	156	11.2	360	129
1,1-Dichloroethene	18.3	87.7	1.0 U	64.6	18.0
1,2,3-Trichlorobenzene	20.7	214	1.0 U	56.1	20.5
1,2,4-Trichlorobenzene	98.2	1,000	1.0 U	274	74.9
1,2-Dibromo-3-chloropropane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	4.3	49.2	1.0 U	13.3	3.1
1,2-Dichloroethane	91.0	546	12.7	1,700	688
1,2-Dichloropropane	1.0 U	2.0	1.0 U	1.9	1.0 U
1,3-Dichlorobenzene	1.3	16.0	1.0 U	9.4	1.8
1,4-Dichlorobenzene	9.6	116	4.1	83.7	17.7
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	7.6	236	19.1	1,460	57.8
Benzene	393	2,990	1,300	14,000	7,050
Bromobenzene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	95.0	977	312	4,670	1,940
Chloroethane	1.0 U	1.0 U	3.2	3.2	1.0 U
Chloroform	17.4	492	1.0 U	250	108
Chloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cis-1,2-Dichloroethylene	470	3,900	65.2	6,050	1,280
Cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	1.0 U	5.0	1.5	18.3	6.6
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	7.8	260	41.4	604	186
Isopropylbenzene	1.0 U	8.9	1.0 U	7.3	2.2
M,P-Xylenes	6.0	450	152	2,500	690
Methyl Acetate	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	5.0 U	12.7	5.0 U	96.7	5.0 U
4-Methyl-2-Pentanone	5.0 U	20.4	5.0 U	95.4	49.1
Methylcyclohexane	1.0 U	6.0	1.0 U	3.8	1.1
Methylene Chloride	1.0 U	622	3.0	464	7.5
O-Xylene	11.4	265	53.3	743	217
Styrene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tert-Butyl Methyl Ether	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethylene	29.3	217	1.0 U	8.4	3.1
Toluene	77.2	3,780	3,070	37,400	12,800
Trans-1,2-Dichloroethene	4.0	23.3	2.2	42.2	12.5
Trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethylene	4,770	23,300	63.8	201	57.6
Trichlorofluoromethane	1.0 U	1.9	1.0 U	1.0 U	1.0 U
Vinyl Chloride	24.3	561	12.9	592	341

Table 4-9
Summary of Extraction Well Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	EW-1	EW-2	EW-3	EW-4	EW-5
Sample ID	EW-1 082620	EW-2 082620	EW-3 082620	EW-4 082620	EW-5 082620
Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020	8/26/2020
Compound					
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
2,4,5-Trichlorophenol	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2,4,6-Trichlorophenol	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2,4-Dichlorophenol	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2,4-Dimethylphenol	5.0 U	9.7	15.8	238	92.0
2,4-Dinitrophenol	10.0 U	10.0 U	10.0 U	200 U	50.0 U
2,4-Dinitrotoluene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2,6-Dinitrotoluene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2-Chloronaphthalene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2-Chlorophenol	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2-Methylnaphthalene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2-Methylphenol	5.0 U	44.1	10.1	313	122
2-Nitroaniline	5.0 U	5.0 U	5.0 U	100 U	25.0 U
2-Nitrophenol	5.0 U	5.0 U	5.0 U	100 U	25.0 U
3&4-Methylphenol	5.0 U	49.9	43.8	966	335
3,3-Dichlorobenzidine	5.0 U	5.0 U	5.0 U	100 U	25.0 U
3-Nitroaniline	5.0 U	5.0 U	5.0 U	100 U	25.0 U
4,6-Dinitro-2-methylphenol	10.0 U	10.0 U	10.0 U	200 U	50.0 U
4-Bromophenyl-phenylether	5.0 U	5.0 U	5.0 U	100 U	25.0 U
4-Chloro-3-methylphenol	5.0 U	5.0 U	5.0 U	100 U	25.0 U
4-Chloroaniline	5.0 U	5.0 U	5.0 U	100 U	25.0 U
4-Chlorophenyl-phenylether	5.0 U	5.0 U	5.0 U	100 U	25.0 U
4-Nitroaniline	5.0 U	5.0 U	5.0 U	100 U	25.0 U
4-Nitrophenol	10.0 U	10.0 U	10.0 U	200 U	50.0 U
Acenaphthene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Acenaphthylene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Anthracene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Benzo[a]anthracene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Benzo[a]pyrene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Benzo[b]fluoranthene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Benzo[g,h,i]perylene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Benzo[k]fluoranthene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Bis(2-Chloroethoxy)methane	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Bis(2-Chloroethyl)Ether	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Bis(2-Chloroisopropyl)ether	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Bis(2-Ethylhexyl)phthalate	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Butylbenzylphthalate	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Carbazole	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Chrysene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Dibenzo[a,h]Anthracene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Dibenzofuran	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Diethylphthalate	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Dimethylphthalate	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Di-n-butylphthalate	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Di-n-octylphthalate	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Fluoranthene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Fluorene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Hexachlorobenzene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Hexachlorobutadiene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Hexachlorocyclopentadiene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Hexachloroethane	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Indeno[1,2,3-cd]pyrene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Isophorone	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Naphthalene	5.0 U	9.5	5.0 U	100 U	25.0 U
Nitrobenzene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
N-Nitroso-Di-N-Propylamine	5.0 U	5.0 U	5.0 U	100 U	25.0 U
N-Nitrosodiphenylamine	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Pentachlorophenol	10.0 U	16.5	10.0 U	200 U	50.0 U
Phenanthrene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
Phenol	5.0 U	30.2	5.0 U	323	25.0 U
Pyrene	5.0 U	5.0 U	5.0 U	100 U	25.0 U
1,4-Dioxane	6.5	48	66	450	290

Table 4-9
Summary of Extraction Well Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	EW-1	EW-2	EW-3	EW-4	EW-5
Sample ID	EW-1 082620	EW-2 082620	EW-3 082620	EW-4 082620	EW-5 082620
Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020	8/26/2020
Compound					
Polychlorinated biphenyls (PCBs) (µg/L)					
Aroclor-1016	0.25 U	0.24 U	0.25 U	0.24 U	0.24 U
Aroclor-1221	0.25 U	0.24 U	0.25 U	0.24 U	0.24 U
Aroclor-1232	0.25 U	0.24 U	0.25 U	0.24 U	0.24 U
Aroclor-1242	0.25 U	0.24 U	0.25 U	0.24 U	0.24 U
Aroclor-1248	0.25 U	0.24 U	0.25 U	0.24 U	0.24 U
Aroclor-1254	0.25 U	0.24 U	0.25 U	0.24 U	0.24 U
Aroclor-1260	0.25 U	0.24 U	0.25 U	0.24 U	0.24 U
Metals (mg/L)					
Aluminum	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Antimony	0.0600 U	0.0600 U	0.0600 U	0.0600 U	0.0600 U
Arsenic	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Barium	0.2 U	0.2 U	0.2 U	1.9	0.653
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	24.1	18.5	16.6	34	39.2
Chromium	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cobalt	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Copper	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Iron	0.349	0.534	0.0524	0.0877	0.0200 U
Lead	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Magnesium	5.12	4.33	0.778	2.39	4.28
Manganese	0.209	0.441	0.162	0.931	0.463
Nickel	0.0400 U	0.0400 U	0.0400 U	0.0400 U	0.0400 U
Potassium	5 U	5 U	5 U	5 U	5 U
Selenium	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Silver	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Sodium	54.3	49.2	125	169	147
Thallium	0.0100 U	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Vanadium	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Zinc	0.0245	0.0200 U	0.0200 U	1.05	0.0200 U

Source: ARCADIS U.S., Inc.

Notes:

1. Detections are bolded.
2. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
3. VOCs, SVOCs and metals analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D and 6010C, respectively, by Pace Analytical Services, Inc. in Melville, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion monitoring (SIM) by ALS Environmental of Rochester, New York. PCBs analyzed by United States Environmental Protection Agency USEPA SW-846 Method 8082A by Pace Analytical Services, Inc. in Greensburg, Pennsylvania.
4. Blind duplicate shown immediately after parent sample.
5. "U" designates the result is not detected at or above the reported practical quantitation limit.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-9
Summary of Extraction Well Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	EW-6	EW-7	EW-8	EW-8
Sample ID	EW-6 082620	EW-7 082620	EW-8 082620	DUP-1 082620
Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
Compound				
Volatile Organic Compounds (VOCs) (µg/L)				
1,1,1,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1,1-Trichloroethane	953	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	5.5	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	773	198	1.0 U	1.0 U
1,1-Dichloroethene	139	1.0 U	1.0 U	1.0 U
1,2,3-Trichlorobenzene	131	6.7	1.0 U	1.0 U
1,2,4-Trichlorobenzene	448	2.6	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane	1.0 U	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	26.6	8.4	1.0 U	1.0 U
1,2-Dichloroethane	5,460	15.4	1.3	1.3
1,2-Dichloropropane	4.5	1.9	1.0 U	1.0 U
1,3-Dichlorobenzene	8.2	5.1	1.0 U	1.0 U
1,4-Dichlorobenzene	171	104	1.0 U	1.0 U
2-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U
Acetone	4,990	315	5.0 U	5.0 U
Benzene	31,100	19,600	679	611
Bromobenzene	1.0 U	1.0 U	1.0 U	1.0 U
Bromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Bromodichloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Bromoform	1.0 U	1.0 U	1.0 U	1.0 U
Bromomethane	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Tetrachloride	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	12,200	6,080	40.4	40.2
Chloroethane	9.4	25.0	1.9	1.0 U
Chloroform	602	1.0 U	1.0 U	1.0 U
Chloromethane	2.9	1.0 U	1.0 U	1.0 U
Cis-1,2-Dichloroethylene	15,100	447	5.1	4.6
Cis-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	34.0	23.2	1.0 U	1.0 U
Dibromochloromethane	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	1.0 U	1.0 U	1.0 U	1.0 U
Ethylbenzene	1,200	690	1.9	1.8
Isopropylbenzene	14.1	6.1	1.0 U	1.0 U
M,P-Xylenes	4,710	2,860	2.0 U	2.0 U
Methyl Acetate	1.0 U	1.0 U	1.0 U	1.0 U
2-Butanone	222	20.9	5.0 U	5.0 U
4-Methyl-2-Pentanone	167	85.0	5.0 U	5.0 U
Methylcyclohexane	7.6	2.9	1.0 U	1.0 U
Methylene Chloride	1,210	1.0 U	1.0 U	1.0 U
O-Xylene	1,360	841	1.0 U	1.0 U
Styrene	1.0 U	1.0 U	1.0 U	1.0 U
Tert-Butyl Methyl Ether	1.3	1.0 U	1.0 U	1.0 U
Tetrachloroethylene	33.3	1.0 U	1.0 U	1.0 U
Toluene	67,000	50,700	3.5	3.4
Trans-1,2-Dichloroethene	90.1	47.7	1.0 U	1.0 U
Trans-1,3-Dichloropropene	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethylene	165	1.0 U	2.3	2.1
Trichlorofluoromethane	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl Chloride	2,240	852	1.0 U	1.0 U

Table 4-9
Summary of Extraction Well Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	EW-6	EW-7	EW-8	EW-8
Sample ID	EW-6 082620	EW-7 082620	EW-8 082620	DUP-1 082620
Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
Compound				
Semi-Volatile Organic Compounds (SVOCs) (µg/L)				
2,4,5-Trichlorophenol	250 U	250 U	25.0 U	25.0 U
2,4,6-Trichlorophenol	250 U	250 U	25.0 U	25.0 U
2,4-Dichlorophenol	250 U	250 U	25.0 U	25.0 U
2,4-Dimethylphenol	592	372	25.0 U	25.0 U
2,4-Dinitrophenol	500 U	500 U	50.0 U	50.0 U
2,4-Dinitrotoluene	250 U	250 U	25.0 U	25.0 U
2,6-Dinitrotoluene	250 U	250 U	25.0 U	25.0 U
2-Chloronaphthalene	250 U	250 U	25.0 U	25.0 U
2-Chlorophenol	250 U	250 U	25.0 U	25.0 U
2-Methylnaphthalene	250 U	250 U	25.0 U	25.0 U
2-Methylphenol	572	250 U	25.0 U	25.0 U
2-Nitroaniline	250 U	250 U	25.0 U	25.0 U
2-Nitrophenol	250 U	250 U	25.0 U	25.0 U
3&4-Methylphenol	2,540	1,270	25.0 U	25.0 U
3,3-Dichlorobenzidine	250 U	250 U	25.0 U	25.0 U
3-Nitroaniline	250 U	250 U	25.0 U	25.0 U
4,6-Dinitro-2-methylphenol	500 U	500 U	50.0 U	50.0 U
4-Bromophenyl-phenylether	250 U	250 U	25.0 U	25.0 U
4-Chloro-3-methylphenol	250 U	250 U	25.0 U	25.0 U
4-Chloroaniline	250 U	250 U	25.0 U	25.0 U
4-Chlorophenyl-phenylether	250 U	250 U	25.0 U	25.0 U
4-Nitroaniline	250 U	250 U	25.0 U	25.0 U
4-Nitrophenol	500 U	500 U	50.0 U	50.0 U
Acenaphthene	250 U	250 U	25.0 U	25.0 U
Acenaphthylene	250 U	250 U	25.0 U	25.0 U
Anthracene	250 U	250 U	25.0 U	25.0 U
Benzo[a]anthracene	250 U	250 U	25.0 U	25.0 U
Benzo[a]pyrene	250 U	250 U	25.0 U	25.0 U
Benzo[b]fluoranthene	250 U	250 U	25.0 U	25.0 U
Benzo[g,h,i]perylene	250 U	250 U	25.0 U	25.0 U
Benzo[k]fluoranthene	250 U	250 U	25.0 U	25.0 U
Bis(2-Chloroethoxy)methane	250 U	250 U	25.0 U	25.0 U
Bis(2-Chloroethyl)Ether	250 U	250 U	25.0 U	25.0 U
Bis(2-Chloroisopropyl)ether	250 U	250 U	25.0 U	25.0 U
Bis(2-Ethylhexyl)phthalate	250 U	250 U	25.0 U	25.0 U
Butylbenzylphthalate	250 U	250 U	25.0 U	25.0 U
Carbazole	250 U	250 U	25.0 U	25.0 U
Chrysene	250 U	250 U	25.0 U	25.0 U
Dibenzo[a,h]Anthracene	250 U	250 U	25.0 U	25.0 U
Dibenzofuran	250 U	250 U	25.0 U	25.0 U
Diethylphthalate	250 U	250 U	25.0 U	25.0 U
Dimethylphthalate	250 U	250 U	25.0 U	25.0 U
Di-n-butylphthalate	250 U	250 U	25.0 U	25.0 U
Di-n-octylphthalate	250 U	250 U	25.0 U	25.0 U
Fluoranthene	250 U	250 U	25.0 U	25.0 U
Fluorene	250 U	250 U	25.0 U	25.0 U
Hexachlorobenzene	250 U	250 U	25.0 U	25.0 U
Hexachlorobutadiene	250 U	250 U	25.0 U	25.0 U
Hexachlorocyclopentadiene	250 U	250 U	25.0 U	25.0 U
Hexachloroethane	250 U	250 U	25.0 U	25.0 U
Indeno[1,2,3-cd]pyrene	250 U	250 U	25.0 U	25.0 U
Isophorone	250 U	250 U	25.0 U	25.0 U
Naphthalene	250 U	250 U	25.0 U	25.0 U
Nitrobenzene	250 U	250 U	25.0 U	25.0 U
N-Nitroso-Di-N-Propylamine	250 U	250 U	25.0 U	25.0 U
N-Nitrosodiphenylamine	250 U	250 U	25.0 U	25.0 U
Pentachlorophenol	500 U	500 U	50.0 U	50.0 U
Phenanthrene	250 U	250 U	25.0 U	25.0 U
Phenol	989	250 U	25.0 U	25.0 U
Pyrene	250 U	250 U	25.0 U	25.0 U
1,4-Dioxane	910	1,200	47	46

Table 4-9
Summary of Extraction Well Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	EW-6	EW-7	EW-8	EW-8
Sample ID	EW-6 082620	EW-7 082620	EW-8 082620	DUP-1 082620
Date	8/26/2020	8/26/2020	8/26/2020	8/26/2020
Compound				
Polychlorinated biphenyls (PCBs) (µg/L)				
Aroclor-1016	0.25 U	0.25 U	0.24 U	0.24 U
Aroclor-1221	0.25 U	0.25 U	0.24 U	0.24 U
Aroclor-1232	0.25 U	0.25 U	0.24 U	0.24 U
Aroclor-1242	0.25 U	0.25 U	0.24 U	0.24 U
Aroclor-1248	0.25 U	0.25 U	0.24 U	0.24 U
Aroclor-1254	0.25 U	0.25 U	0.24 U	0.24 U
Aroclor-1260	0.25 U	0.25 U	0.24 U	0.24 U
Metals (mg/L)				
Aluminum	0.2 U	0.2 U	0.2 U	0.2 U
Antimony	0.0600 U	0.0600 U	0.0600 U	0.0600 U
Arsenic	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Barium	7.1	4.72	0.2 U	0.2 U
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	200	184	10.1	10
Chromium	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Cobalt	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Copper	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Iron	0.69	0.828	0.0406	0.0200 U
Lead	0.0054	0.0061	0.0050 U	0.0050 U
Magnesium	34.8	49.2	0.874	0.825
Manganese	2.46	1.24	0.16	0.162
Nickel	0.0400 U	0.0400 U	0.0400 U	0.0400 U
Potassium	5 U	5 U	5 U	5 U
Selenium	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Silver	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Sodium	43	25.1	123	124
Thallium	0.0100 U	0.0100 U	0.0100 U	0.0100 U
Vanadium	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Zinc	0.677	0.0200 U	0.0200 U	0.0200 U

Source: ARCADIS U.S., Inc.

Notes:

1. Detections are bolded.
2. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
3. VOCs, SVOCs and metals analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D and 6010C, respectively, by Pace Analytical Services, Inc. in Melville, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion monitoring (SIM) by ALS Environmental of Rochester, New York. PCBs analyzed by United States Environmental Protection Agency USEPA SW-846 Method 8082A by Pace Analytical Services, Inc. in Greensburg, Pennsylvania.
4. Blind duplicate shown immediately after parent sample.
5. "U" designates the result is not detected at or above the reported practical quantitation limit.
6. "J" designates that the detected concentration is considered an estimated value.

Table 4-10
Summary of Mann-Kendall Analysis in Extraction Wells
EW-1 Through EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Number of Samples	Fourth Quarter 2019 Result	S Value	Trend
EW-1				
Benzene	16	352	-85	Decreasing
Toluene	16	44.8	-85	Decreasing
Ethylbenzene	16	20.0 U	Analysis not performed*	
m,p-Xylenes	16	40.0 U	Analysis not performed*	
o-Xylene	16	20.0 U	Analysis not performed*	
Trichloroethene	16	4,070	-92	Decreasing
cis-1,2-Dichloroethene	16	430	-83	Decreasing
Vinyl chloride	16	24.2	Analysis not performed*	
Chlorobenzene	16	79.8	-79	Decreasing
1,4-Dioxane	16	5.0	-45	Decreasing
EW-2				
Benzene	16	3,490	-82	Decreasing
Toluene	16	4,730	-78	Decreasing
Ethylbenzene	16	346	+14	Stable/No Trend
m,p-Xylenes	16	540	-16	Stable/No Trend
o-Xylene	16	325	-17	Stable/No Trend
Trichloroethene	16	28,500	-37	Stable/No Trend
cis-1,2-Dichloroethene	16	4,740	-78	Decreasing
Vinyl chloride	16	736	+64	Increasing
Chlorobenzene	16	1,160	-24	Stable/No Trend
1,4-Dioxane	16	51	-49	Decreasing
EW-3*				
Benzene	15	1,910	-90	Decreasing
Toluene	15	4,680	+28	Stable/No Trend
Ethylbenzene	15	62.0	+41	Increasing
m,p-Xylenes	15	219	+43	Increasing
o-Xylene	15	73.8	+46	Increasing
Trichloroethene	15	83.8	-62	Decreasing
cis-1,2-Dichloroethene	15	74.9	-102	Decreasing
Vinyl chloride	15	22.9	-83	Decreasing
Chlorobenzene	15	443	-24	Stable/No Trend
1,4-Dioxane	15	91	-36	Decreasing
EW-4				
Benzene	16	15,700	-51	Decreasing
Toluene	16	39,400	+74	Increasing
Ethylbenzene	16	705	+64	Increasing
m,p-Xylenes	16	2,720	+73	Increasing
o-Xylene	16	783	+68	Increasing
Trichloroethene	16	217	-102	Decreasing
cis-1,2-Dichloroethene	16	7,170	+57	Increasing
Vinyl chloride	16	655	-5	Stable/No Trend
Chlorobenzene	16	5,070	+62	Increasing
1,4-Dioxane	16	460	+66	Increasing

Table 4-10
Summary of Mann-Kendall Analysis in Extraction Wells
EW-1 Through EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Number of Samples	Fourth Quarter 2019 Result	S Value	Trend
EW-5				
Benzene	16	7,310	-44	Decreasing
Toluene	16	12,300	+99	Increasing
Ethylbenzene	16	169	+114	Increasing
m,p-Xylenes	16	650	+114	Increasing
o-Xylene	16	207	+114	Increasing
Trichloroethene	16	65.7	-98	Decreasing
cis-1,2-Dichloroethene	16	1,430	-4	Stable/No Trend
Vinyl chloride	16	379	+68	Increasing
Chlorobenzene	16	1,960	+96	Increasing
1,4-Dioxane	16	270	+56	Increasing
EW-6				
Benzene	16	43,800	-54	Decreasing
Toluene	16	83,700	+38	Increasing
Ethylbenzene	16	1,380	+39	Increasing
m,p-Xylenes	16	5,580	+43	Increasing
o-Xylene	16	1,730	+39	Increasing
Trichloroethene	16	500 U	-85	Decreasing
cis-1,2-Dichloroethene	16	20,800	-24	Stable/No Trend
Vinyl chloride	16	3,770	-5	Stable/No Trend
Chlorobenzene	16	15,000	+29	Stable/No Trend
1,4-Dioxane	16	1,200	+63	Increasing
EW-7				
Benzene	16	21,700	-75	Decreasing
Toluene	16	54,700	+26	Stable/No Trend
Ethylbenzene	16	751	+26	Stable/No Trend
m,p-Xylenes	16	3,020	+27	Stable/No Trend
o-Xylene	16	912	+26	Stable/No Trend
Trichloroethene	16	400 U	Analysis not performed*	
cis-1,2-Dichloroethene	16	1,090	-100	Decreasing
Vinyl chloride	16	2,020	-54	Decreasing
Chlorobenzene	16	6,480	-14	Stable/No Trend
1,4-Dioxane	16	1,100	+1	Stable/No Trend
EW-8				
Benzene	16	718	-98	Decreasing
Toluene	16	5.2	-77	Decreasing
Ethylbenzene	16	5.0 U	Analysis not performed*	
m,p-Xylenes	16	10.0 U	Analysis not performed*	
o-Xylene	16	5.0 U	Analysis not performed*	
Trichloroethene	16	5.0 U	Analysis not performed*	
cis-1,2-Dichloroethene	16	5.0 U	Analysis not performed*	
Vinyl chloride	16	5.0 U	Analysis not performed*	
Chlorobenzene	16	45.5	-74	Decreasing
1,4-Dioxane	16	45	-66	Decreasing

Table 4-10
Summary of Mann-Kendall Analysis in Extraction Wells
EW-1 Through EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Number of Samples	Fourth Quarter 2019 Result	S Value	Trend
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Notes:

1. Detections are bolded.
2. Mann-Kendall analysis run on data collected quarterly in 2016 through 2019.
3. Significance level (α) is 95 percent (%).
4. Non-detects reported at the practical quantitation limit (PQL).
5. Blind duplicate samples were not used in analysis.
6. Concentrations reported in micrograms per liter ($\mu\text{g/L}$).
7. "U" designates the result is not detected at or above the reported PQL shown.
8. "*" designates Mann-Kendall analysis not performed due to low frequency of detected concentrations.
9. "#" designates EW-3 was not sampled in August 2018 because pump was out of service at the time of sampling.

Table 4-11
Residential Well Summary
Dewey Loeffel Landfill Superfund Site
Nassau, New York

NYSDOH Well ID	Location	Sampling Dates	Notes
Wells with POU Treatment Systems - Sampled Quarterly			
1 ^a	Mead Road	May 5, 2020 November 10, 2020	POU system installed 5/1996; bottled water also provided since 12/1999
23	Central Nassau Road	February 18, 2020 May 5, 2020 August 11, 2020 November 10, 2020	POU system installed 4/2004; bottled water also provided since 6/2001
24S	Central Nassau Road	February 18, 2020 May 5, 2020 August 11, 2020 November 10, 2020	POU system installed 2/1993; bottled water also provided since 10/1998
24D	Central Nassau Road	February 18, 2020 May 5, 2020 August 11, 2020 November 10, 2020	POU system installed 2/1993; bottled water also provided since 10/1998
25	Central Nassau Road	February 18, 2020 May 5, 2020 August 11, 2020 November 10, 2020	POU system installed 4/1993; bottled water also provided since 12/1999
Wells without POU Treatment Systems - Sampled Semi-Annually			
3	Mead Road, west of Landfill	May 12, 2020 November 11, 2020	Bottled water provided
16 ^b	Central Nassau Road, near intersection of Curtis Hill Road	--- ---	Bottled water provided
17 ^c	Central Nassau Road, near intersection of Curtis Hill Road	--- ---	Bottled water provided
18 ^b	Central Nassau Road, near intersection of Curtis Hill Road	--- ---	Bottled water provided
19	Central Nassau Road, near intersection of Curtis Hill Road	May 12, 2020 November 11, 2020	Bottled water provided
20 ^c	Central Nassau Road, near intersection of Curtis Hill Road	--- ---	Bottled water provided
21	Central Nassau Road, near intersection of Curtis Hill Road	May 12, 2020 November 11, 2020	Bottled water provided
22	Central Nassau Road, near intersection of Curtis Hill Road	May 12, 2020 November 11, 2020	Bottled water provided
32	Curtis Hill Road, near Central Nassau Road	May 12, 2020 November 11, 2020	Bottled water provided

Table 4-11
Residential Well Summary
Dewey Loeffel Landfill Superfund Site
Nassau, New York

NYSDOH Well ID	Location	Sampling Dates	Notes
Wells without POU Treatment Systems - Sampled Annually			
26	Central Nassau Road	November 11, 2020	---
27	Central Nassau Road	November 11, 2020	---
28	Central Nassau Road, near intersection of Mead Road	November 11, 2020	---
29	Central Nassau Road, near intersection of Mead Road	November 11, 2020	---
30	Mead Road, near intersection of Central Nassau Road	November 11, 2020	---
33	Mead Road, near intersection of Central Nassau Road	November 11, 2020	---
Wells without POU Treatment Systems - Sampled Biennially			
6 ^d	Nassau Averill Park Road	November 11, 2020	---
7	Nassau Averill Park Road	---	---
9	Nassau Averill Park Road, near intersection of Mead Road	---	---
10	Nassau Averill Park Road, near intersection of Mead Road	---	---
11	Nassau Averill Park Road	---	---
12 ^d	Nassau Averill Park Road	May 12, 2020	---
13 ^d	Nassau Averill Park Road	May 12, 2020	---
34	Nassau Averill Park Road	---	---

Notes:

1. "NYSDOH" designates New York State Department of Health.
2. "POU" designates point of use.
3. Residential wells sampled for volatile organic compounds (VOCs) and 1,4-dioxane, excluding the first and third quarter sampling of wells with POU treatment systems which were sampled for VOCs only.
4. VOC analyses by United States Environmental Protection Agency (USEPA) Method 524.2 and 1,4-dioxane analyses by USEPA SW-846 Method 8270D selected ion monitoring (SIM) were subcontracted by Pace Analytical Services in Greensburg, Pennsylvania to ALS Environmental in Rochester, New York (1,4-dioxane) and ALS in Middletown, Pennsylvania (VOCs).
5. "a" designates NYSDOH well 1 was sampled semi-annually due to low water usage rates.
6. "b" designates NYSDOH wells 16 and 18 were not sampled in 2020 due to COVID-19 concerns.
7. "c" designates not applicable.
8. "c" designates NYSDOH wells 17 and 20 were not sampled in 2020 because the property was unoccupied and the water was shut off.
9. "d" designates NYSDOH wells 6, 12 and 13 were scheduled to be sampled in 2019, but could not be because the property owners were unavailable and the water was shut off. Samples were collected in 2020.

Table 4-12
VOCs and 1,4-Dioxane in Residential Wells with POU Treatment Systems
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	NYSDOH Well 1		NYSDOH Well 23				NYSDOH Well 24S			
Sample ID	1-INLET-050520	1-INLET-111020	23-INLET-021820	23-INLET-050520	23-INLET-08112020	23-INLET-111020	24S-INLET-021820	24S-INLET-050520	24S-INLET-08112020	24S-INLET-111020
Date	5/5/2020	11/10/2020	2/18/2020	5/5/2020	8/11/2020	11/10/2020	2/18/2020	5/5/2020	8/11/2020	11/10/2020
Compound										
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	---	0.5 U	0.5 U	---	---	0.5 U	0.5 U	---	---
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	3.2	2.3	3.2	3.5
1,1-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.5	1.4	1.5	1.8
1,1-Dichloropropene	0.5 U	---	0.5 U	0.5 U	---	---	0.5 U	0.5 U	---	---
1,2,3-Trichlorobenzene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
1,2,3-Trichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.3	0.5 U	4.5	4.7
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropylene	1 U	---	---	1 U	---	---	---	1 U	---	---
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	---	2.5 U	2.5 U	---	2.5 U	2.5 U	2.5 U	---	2.5 U	2.5 U
4-Isopropyltoluene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Acetone	---	5 U	5 U	---	4 J	5 U	5 U	---	2.4 J	5 U
Benzene	0.5 U	0.5 U	0.52	0.5 U	0.5 U	0.5 U	32.8	22.4	36.7	34.5
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Bromodichloromethane	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Bromoform	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.34 J	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	0.55	0.44 J	0.5 U	0.5 U	0.5 U	0.5 U	1.5	1.1	1.8	1.7
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	0.5 U	0.5 U	0.61	0.5 U	0.5 U	0.5 U	62	57.9	67	69.3
cis-1,3-Dichloropropene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Dibromochloromethane	1 U	1 U	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Dibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Dichlorofluoromethane	---	0.5 U	---	---	0.5 U	0.5 U	---	---	0.21 J	0.33 J
Ethylbenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.29 J	0.23 J
Hexachlorobutadiene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Isopropylbenzene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
2-Butanone	---	2.5 U	2.5 U	---	2.5 U	2.5 U	2.5 U	---	2.5 U	2.5 U
4-Methyl-2-pentanone	---	2.5 U	2.5 U	---	2.5 U	2.5 U	2.5 U	---	2.5 U	2.5 U

Table 4-12
VOCs and 1,4-Dioxane in Residential Wells with POU Treatment Systems
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	NYSDOH Well 1		NYSDOH Well 23				NYSDOH Well 24S			
Sample ID	1-INLET-050520	1-INLET-111020	23-INLET-021820	23-INLET-050520	23-INLET-08112020	23-INLET-111020	24S-INLET-021820	24S-INLET-050520	24S-INLET-08112020	24S-INLET-111020
Date	5/5/2020	11/10/2020	2/18/2020	5/5/2020	8/11/2020	11/10/2020	2/18/2020	5/5/2020	8/11/2020	11/10/2020
Compound										
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M-P-Xylene	---	0.25 U	0.25 U	---	0.25 U	0.25 U	0.25 U	---	0.25 U	0.25 U
Naphthalene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
n-Butylbenzene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
n-Propylbenzene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
o-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	---	0.25 U	0.25 U	---	0.25 U	0.25 U	0.25 U	---	0.25 U	0.25 U
p-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tert-butyl methyl ether	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Tert-Butylbenzene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Tetrachloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran	---	2.5 U	---	---	2.5 U	2.5 U	---	---	2.5 U	2.5 U
Toluene	0.5 U	0.14 J	0.5 U	0.5 U	0.5 U	0.13 J	0.5 U	0.5 U	0.5 U	0.2 J
trans-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	124	83.1	118	127
trans-1,3-Dichloropropene	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Trichloroethene	0.5 U	0.5 U	9.7	4.6	1.7	3.7	242	197	306	322
Trichlorofluoromethane	---	0.5 U	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	0.48 / 0.57	0.48	---	0.040 U	---	0.031 J / 0.039 J	---	0.045	---	0.072

Source: ARCADIS U.S., Inc.

Notes:

1. Detections are bolded.
2. "VOCs" designates volatile organic compounds.
3. "POU" designates point-of-use.
4. Results are in micrograms per liter (µg/L).
5. VOC analyses by United States Environmental Protection Agency (USEPA) Method 524.2 subcontracted by Pace Analytical Services in Greensburg, Pennsylvania to ALS Environmental in Middletown, Pennsylvania.
1,4-Dioxane analyses by USEPA SW-846 Method 8270D selected ion monitoring (SIM) were subcontracted by Pace Analytical Services in Greensburg, Pennsylvania to ALS Environmental in Rochester, New York.
6. Blind duplicate shown immediately after parent sample.
7. "U" designates the result is not detected at or above the reported practical quantitation limit.
8. "---" designates compound was not analyzed for in that sample.
9. "J" designates that the detected concentration is considered an estimated value.

Table 4-12
VOCs and 1,4-Dioxane in Residential Wells with POU Treatment Systems
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	NYSDOH Well 24D				NYSDOH Well 25			
Sample ID	24D-INLET-021820	24D-INLET-050520	24D-INLET-08112020	24D-INLET-111020	25-INLET-021820	25-INLET-050520	25-INLET-08112020	25-INLET-111020
Date	2/18/2020	5/5/2020	8/11/2020	11/10/2020	2/18/2020	5/5/2020	8/11/2020	11/10/2020
Compound								
1,1,1,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	0.5 U	0.5 U	---	---	0.5 U	0.5 U	---	---
1,1,2,2-Tetrachloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoroethane	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
1,1,2-Trichloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	2.5	3.2	3	3.6	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	1.5	2	1.9	2.4	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	0.5 U	0.5 U	---	---	0.5 U	0.5 U	---	---
1,2,3-Trichlorobenzene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
1,2,3-Trichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
1,2-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	5.7	6.4	5.8	7.9	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
1,3-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichloropropylene	---	1 U	---	---	---	1 U	---	---
1,4-Dichlorobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	2.5 U	---	2.5 U	2.5 U	2.5 U	---	2.5 U	2.5 U
4-Isopropyltoluene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Acetone	5 U	---	3.4 J	5 U	5 U	---	4.6 J	5 U
Benzene	33.6	38.6	35.9	50 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Bromodichloromethane	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Bromoform	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Bromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	3.3	4.1	3.8	4.2	0.5 U	0.5 U	0.5 U	0.5 U
Chloroethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethylene	23.6	26.3	27.1	29.3 J	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Dibromochloromethane	0.5 U	1 U	1 U	1 U	0.5 U	1 U	1 U	1 U
Dibromomethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Dichlorofluoromethane	---	---	0.29 J	0.38 J	---	---	0.5 U	0.5 U
Ethylbenzene	0.5 U	0.5 U	0.18 J	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Isopropylbenzene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
2-Butanone	2.5 U	---	2.5 U	2.5 U	2.5 U	---	2.5 U	2.5 U
4-Methyl-2-pentanone	2.5 U	---	2.5 U	2.5 U	2.5 U	---	2.5 U	2.5 U

Table 4-12
VOCs and 1,4-Dioxane in Residential Wells with POU Treatment Systems
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	NYSDOH Well 24D				NYSDOH Well 25			
Sample ID	24D-INLET-021820	24D-INLET-050520	24D-INLET-08112020	24D-INLET-111020	25-INLET-021820	25-INLET-050520	25-INLET-08112020	25-INLET-111020
Date	2/18/2020	5/5/2020	8/11/2020	11/10/2020	2/18/2020	5/5/2020	8/11/2020	11/10/2020
Compound								
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
M-P-Xylene	0.25 U	---	0.25 U	0.25 U	0.25 U	---	0.25 U	0.25 U
Naphthalene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
n-Butylbenzene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
n-Propylbenzene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
o-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	0.25 U	---	0.25 U	0.25 U	0.25 U	---	0.25 U	0.25 U
p-Chlorotoluene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Styrene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tert-butyl methyl ether	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Tert-Butylbenzene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Tetrachloroethene	0.97	1.5	1.1	1.3	0.5 U	0.5 U	0.5 U	0.5 U
Tetrahydrofuran	---	---	2.5 U	2.5 U	---	---	2.5 U	2.5 U
Toluene	0.5 U	0.19 J	0.21 J	0.23 J	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	0.5 U	0.41 J	0.5 U	0.47 J	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Trichloroethene	571	762	730	853	2.5	2.7	3.2	2.5
Trichlorofluoromethane	0.5 U	---	0.5 U	0.5 U	0.5 U	---	0.5 U	0.5 U
Vinyl chloride	0.5 U	0.5 U	0.5 U	0.54	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes, Total	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	---	0.076	---	0.081	---	0.040 U	---	0.034 J

Source: ARCADIS U.S., Inc.

Notes:

1. Detections are bolded.
2. "VOCs" designates volatile organic compounds.
3. "POU" designates point-of-use.
4. Results are in micrograms per liter (µg/L).
5. VOC analyses by United States Environmental Protection Agency (USEPA) Method 524.2 subcontracted by Pace Analytical Services in Greensburg, Pennsylvania to ALS Environmental in Middletown, Pennsylvania.
1,4-Dioxane analyses by USEPA SW-846 Method 8270D selected ion monitoring (SIM) were subcontracted by Pace Analytical Services in Greensburg, Pennsylvania to ALS Environmental in Rochester, New York.
6. Blind duplicate shown immediately after parent sample.
7. "U" designates the result is not detected at or above the reported practical quantitation limit.
8. "---" designates compound was not analyzed for in that sample.
9. "J" designates that the detected concentration is considered an estimated value.

Table 4-13
Summary of Mann-Kendall Analysis in Residential Wells
with Point-of-Use Treatment Systems
NYSDOH Wells 1, 23, 24D and 25
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Number of Samples	Fourth Quarter 2019 Result	S Value	Trend
NYSDOH Well 1				
Benzene	16	0.5 U	+35	Stable/No Trend
Toluene	16	0.5 U	Analysis not performed*	
Ethylbenzene	16	0.5 U	Analysis not performed*	
m,p-Xylenes	16	0.25 U	Analysis not performed*	
o-Xylene	16	0.25 U	Analysis not performed*	
Trichloroethene	16	0.5 U	Analysis not performed*	
cis-1,2-Dichloroethene	16	0.5 U	Analysis not performed*	
Vinyl chloride	16	0.5 U	Analysis not performed*	
Chlorobenzene	16	0.62	+3	Stable/No Trend
1,4-Dioxane	8	0.49	-6	Stable/No Trend
NYSDOH Well 23				
Benzene	16	0.5 U	+13	Stable/No Trend
Toluene	16	0.5 U	Analysis not performed*	
Ethylbenzene	16	0.5 U	Analysis not performed*	
m,p-Xylenes	16	0.25 U	Analysis not performed*	
o-Xylene	16	0.25 U	Analysis not performed*	
Trichloroethene	16	4.2	-21	Stable/No Trend
cis-1,2-Dichloroethene	16	0.5 U	-9	Stable/No Trend
Vinyl chloride	16	0.5 U	Analysis not performed*	
Chlorobenzene	16	0.5 U	Analysis not performed*	
1,4-Dioxane	8	0.028 J	-7	Stable/No Trend
NYSDOH Well 24D				
Benzene	16	50 U	-24	Stable/No Trend
Toluene	16	0.2 J	Analysis not performed*	
Ethylbenzene	16	0.21 J	Analysis not performed*	
m,p-Xylenes	16	0.25 U	Analysis not performed*	
o-Xylene	16	0.25 U	Analysis not performed*	
Trichloroethene	16	612	-61	Decreasing
cis-1,2-Dichloroethene	16	50 U	-8	Stable/No Trend
Vinyl chloride	16	0.5 U	Analysis not performed*	
Chlorobenzene	16	4.6	+14	Stable/No Trend
1,4-Dioxane	8	0.073	-10	Stable/No Trend

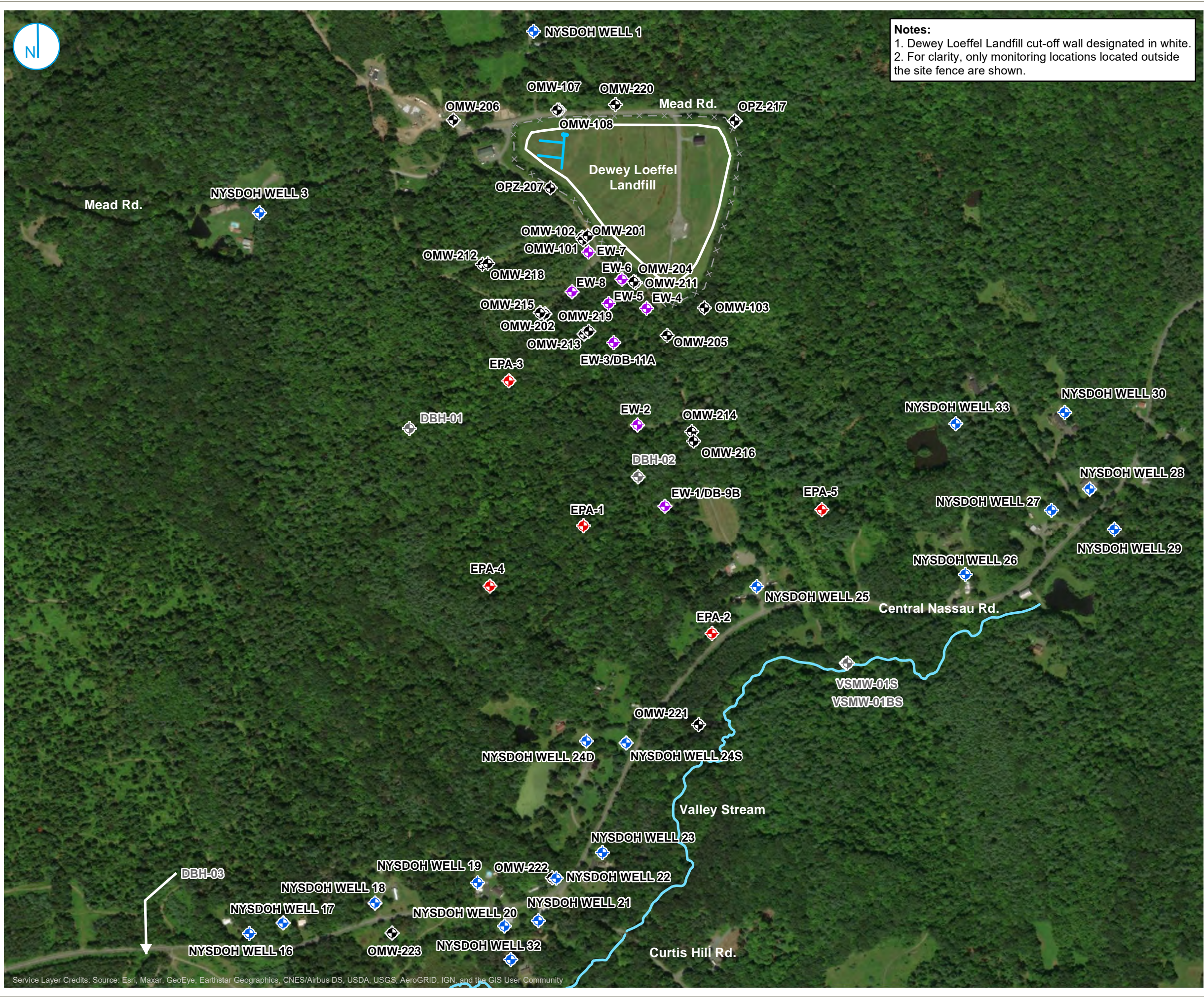
Table 4-13
Summary of Mann-Kendall Analysis in Residential Wells
with Point-of-Use Treatment Systems
NYSDOH Wells 1, 23, 24D and 25
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Number of Samples	Fourth Quarter 2019 Result	S Value	Trend
NYSDOH Well 25				
Benzene	16	0.5 U	+16	Stable/No Trend
Toluene	16	0.5 U	Analysis not performed*	
Ethylbenzene	16	0.5 U	Analysis not performed*	
m,p-Xylenes	16	0.25 U	Analysis not performed*	
o-Xylene	16	0.25 U	Analysis not performed*	
Trichloroethene	16	4.5	-14	Stable/No Trend
cis-1,2-Dichloroethene	16	0.5 U	+16	Stable/No Trend
Vinyl chloride	16	0.5 U	Analysis not performed*	
Chlorobenzene	16	0.5 U	Analysis not performed*	
1,4-Dioxane	8	0.036 J	+4	Stable/No Trend

Notes:

1. Detections are bolded.
2. Mann-Kendall analysis run on data collected quarterly in 2016 through 2019, with the exception of 1,4-dioxane which was collected semi-annually.
3. Significance level (α) is 95 percent (%).
4. Non-detects reported at the practical quantitation limit (PQL).
5. Blind duplicate samples were not used in analysis.
6. Concentrations reported in micrograms per liter ($\mu\text{g/L}$).
7. "NYSDOH" indicates New York State Department of Health.
8. "U" designates the result is not detected at or above the reported PQL shown.
9. "*" designates Mann-Kendall analysis not performed due to low frequency of detected concentrations.
10. "J" designates that the detected concentration is considered an estimated value.

FIGURES



- Extraction Well
- Residential Well
- FLUTe™ Multi-Level Monitoring Well
- Monitoring Well Included in Groundwater Monitoring Plan
- Additional Site Well Sampled in 2020
- Site Fence
- Leachate Collection System



SITE MAP

DEWEY LOEFFEL LANDFILL
SUPERFUND SITE
NASSAU, NEW YORK

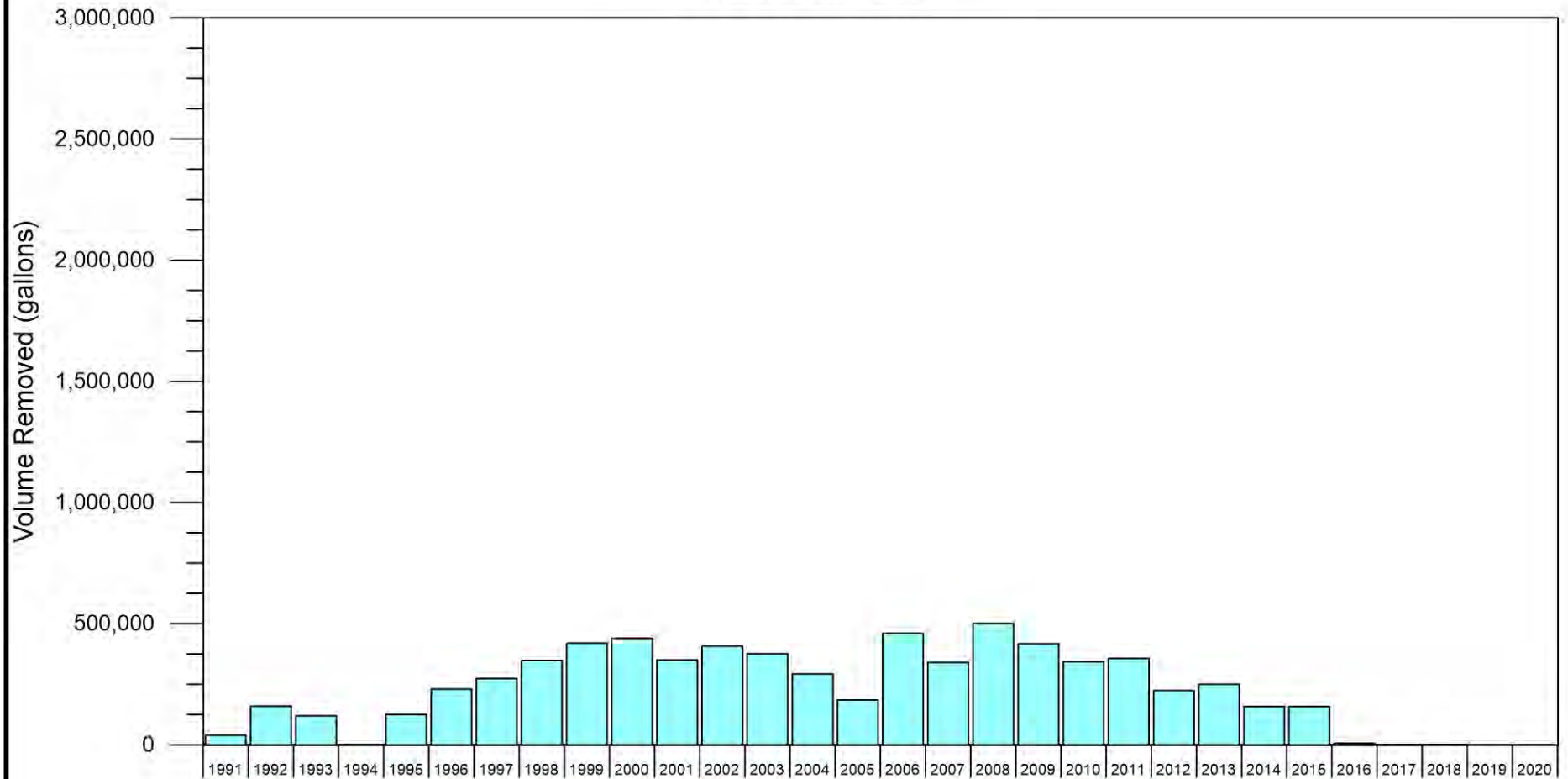
FIGURE 1-1

RAMBOLL US CORPORATION
A RAMBOLL COMPANY



FIGURE 2-1 ANNUAL VOLUME REMOVED FROM LEACHATE COLLECTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York



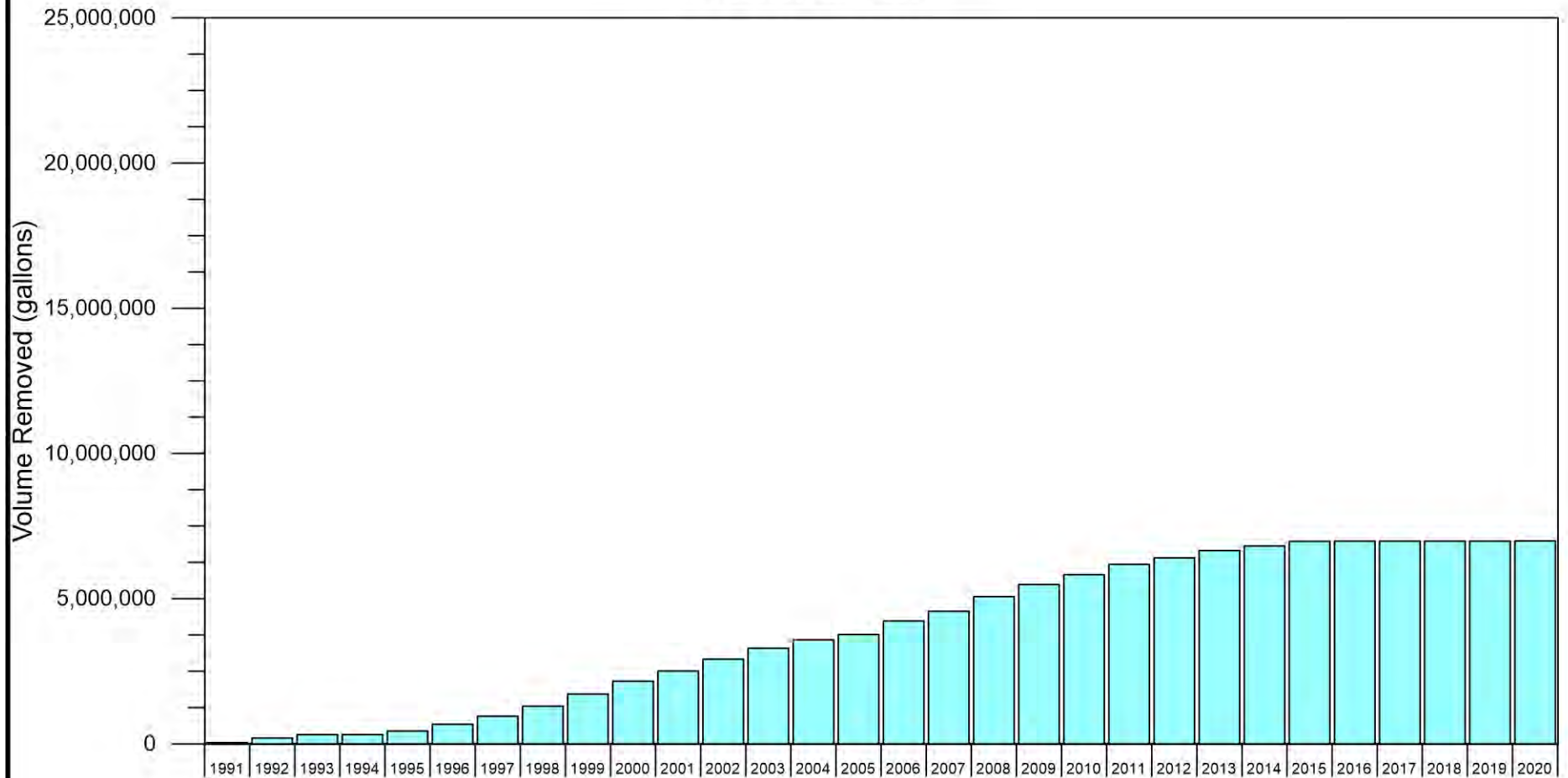
Leachate

1. Refer to Table 2-1 for the annual volume removed each year.

RAMBOLL

FIGURE 2-2 CUMULATIVE VOLUME REMOVED FROM LEACHATE COLLECTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York



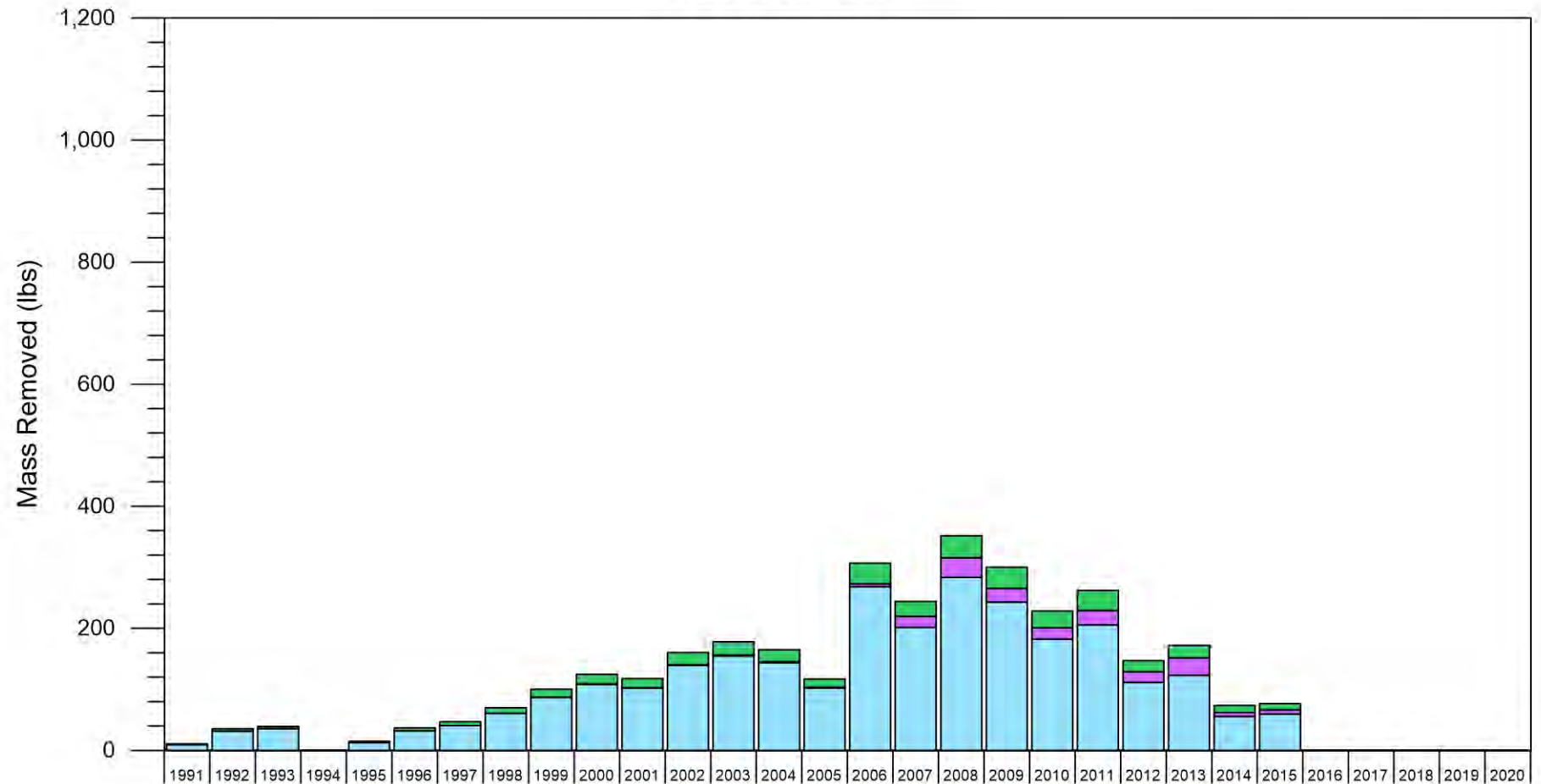
Leachate

1. Refer to Table 2-2 for the cumulative volume removed each year.

RAMBOLL

FIGURE 2-3 ANNUAL MASS OF VOCs REMOVED FROM LEACHATE COLLECTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. For non-detects, zero is used.

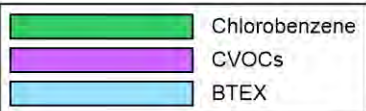
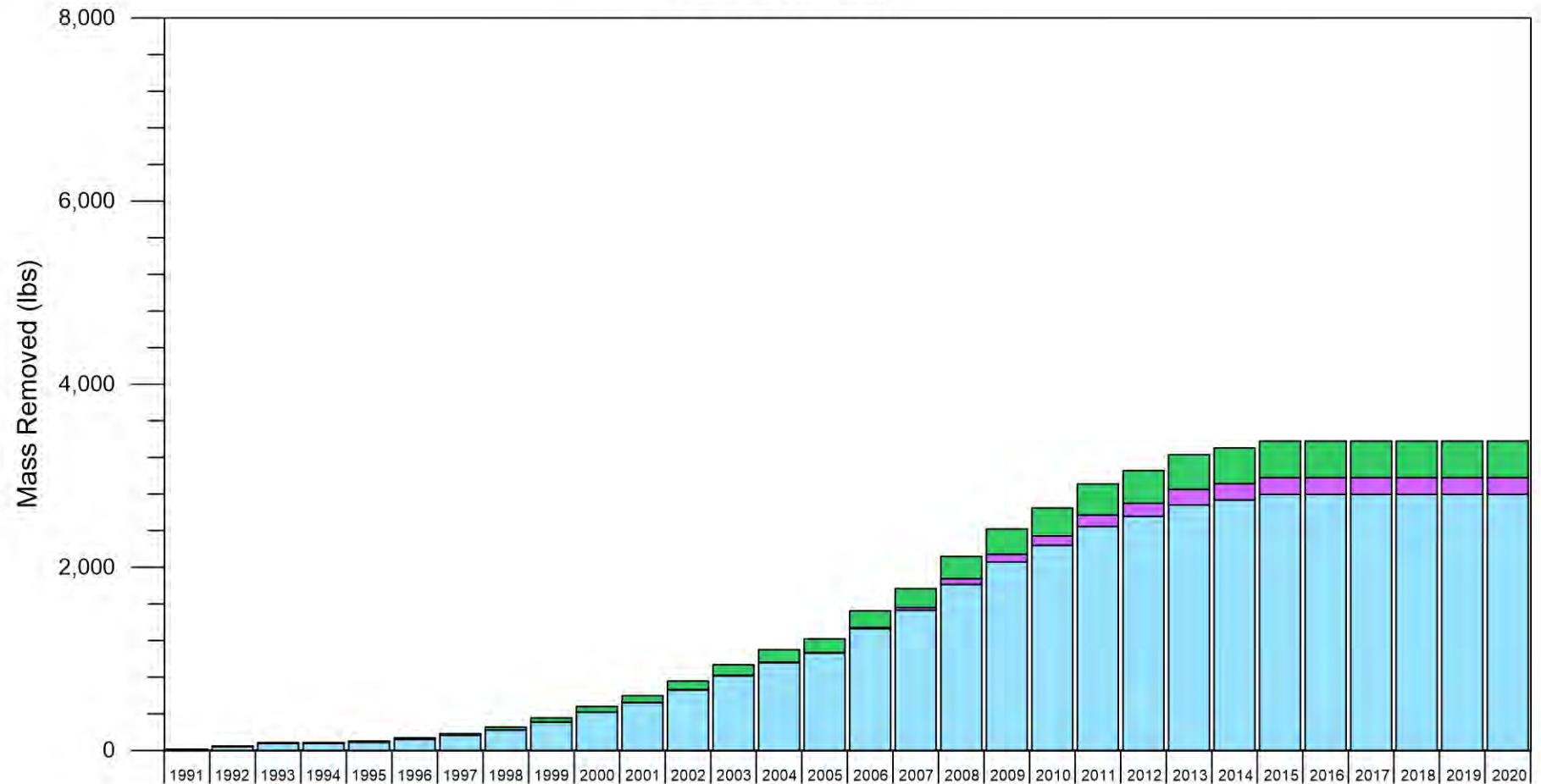
2. CVOCs is comprised of trichloroethene, cis-1,2-dichloroethene and vinyl chloride.

3. BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.

4. Refer to Table 2-3 for the annual mass of volatile organic compounds (VOCs) removed each year.

FIGURE 2-4 CUMULATIVE MASS OF VOCs REMOVED FROM LEACHATE COLLECTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. For non-detects, zero is used.
2. CVOCs is comprised of trichloroethene, cis-1,2-dichloroethene and vinyl chloride.
3. BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
4. Refer to Table 2-4 for the cumulative mass of volatile organic compounds (VOCs) removed each year.

FIGURE 2-5 ANNUAL VOLUME REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York

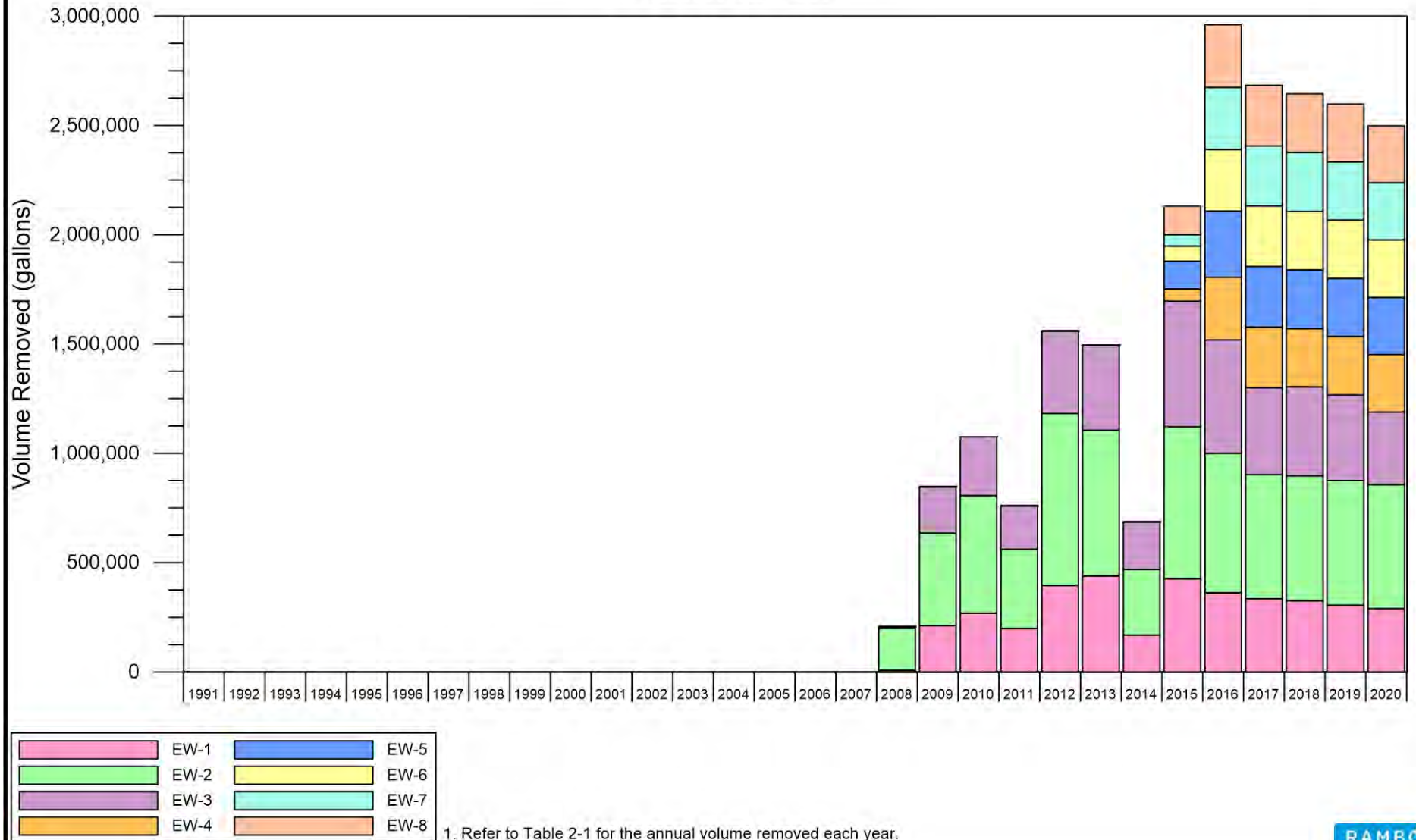


FIGURE 2-6 CUMULATIVE VOLUME REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York

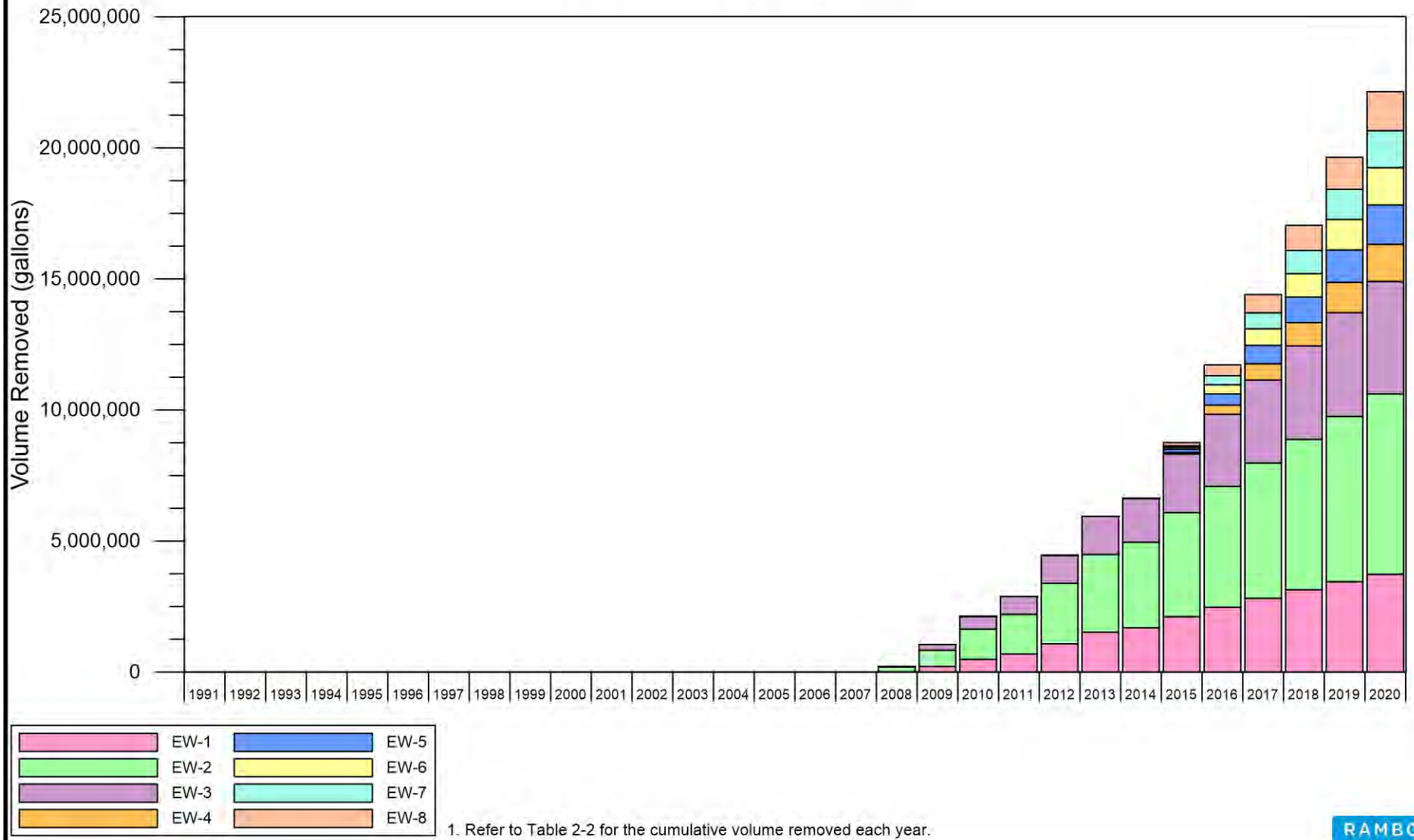
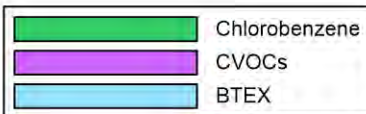
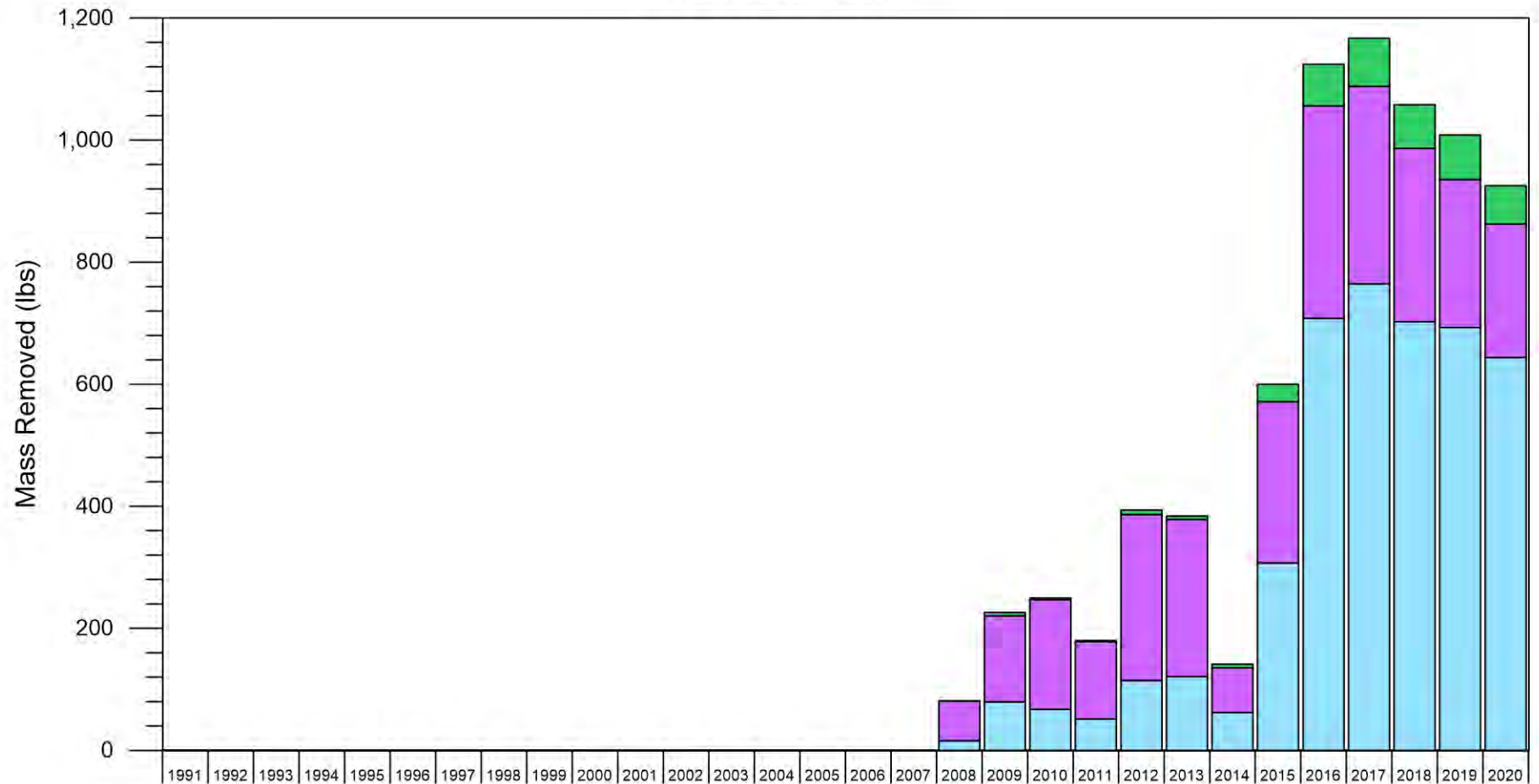


FIGURE 2-7 ANNUAL MASS OF VOCs REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

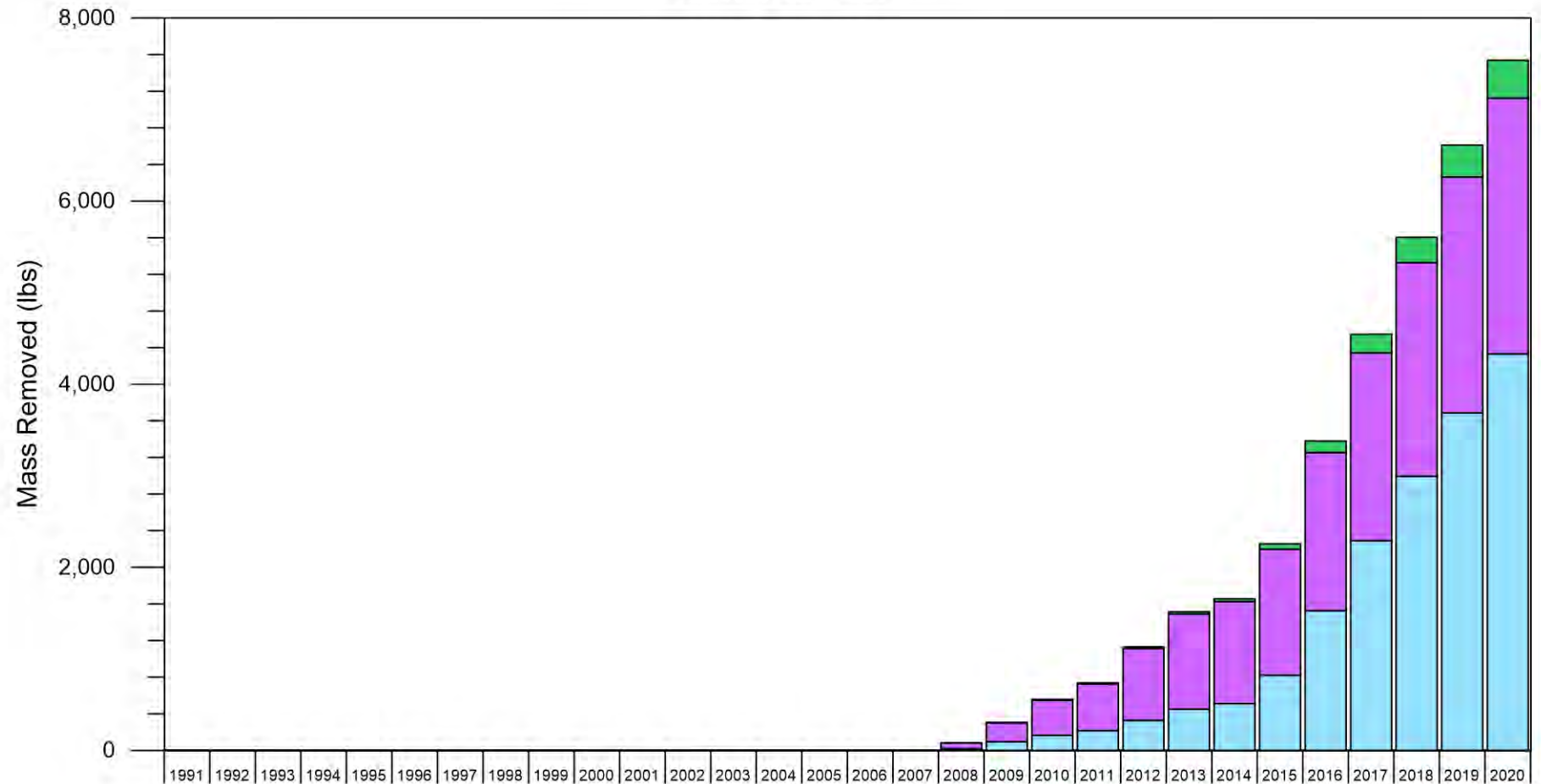
Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. For non-detects, zero is used.
2. CVOCs is comprised of trichloroethene, cis-1,2-dichloroethene and vinyl chloride.
3. BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
4. Refer to Table 2-5 for the annual mass of volatile organic compounds (VOCs) removed each year.
5. Prior to 2015, the groundwater extraction system was comprised of three extraction wells (EW-1, EW-2 and EW-3). Five new extraction wells (EW-4, EW-5, EW-6, EW-7 and EW-8) were put into operation in 2015.

FIGURE 2-8 CUMULATIVE MASS OF VOCs REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. For non-detects, zero is used.

2. CVOCs is comprised of trichloroethene, cis-1,2-dichloroethene and vinyl chloride.

3. BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.

4. Refer to Table 2-6 for the cumulative mass of volatile organic compounds (VOCs) removed each year.

5. Prior to 2015, the groundwater extraction system was comprised of three extraction wells (EW-1, EW-2 and EW-3). Five new extraction wells (EW-4, EW-5, EW-6, EW-7 and EW-8) were put into operation in 2015.

FIGURE 4-1

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-101

Dewey Loeffel Landfill Superfund Site
Nassau, New York

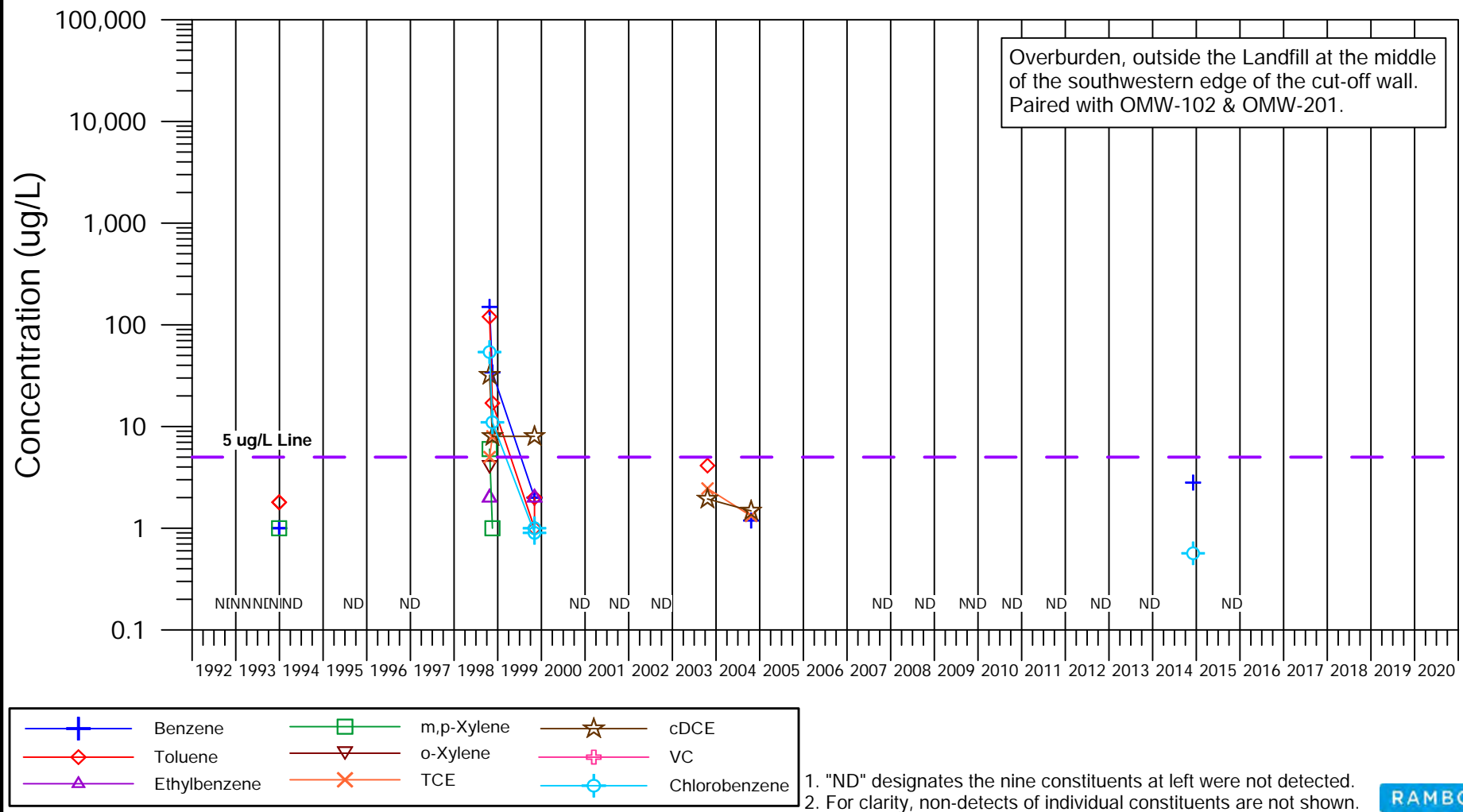
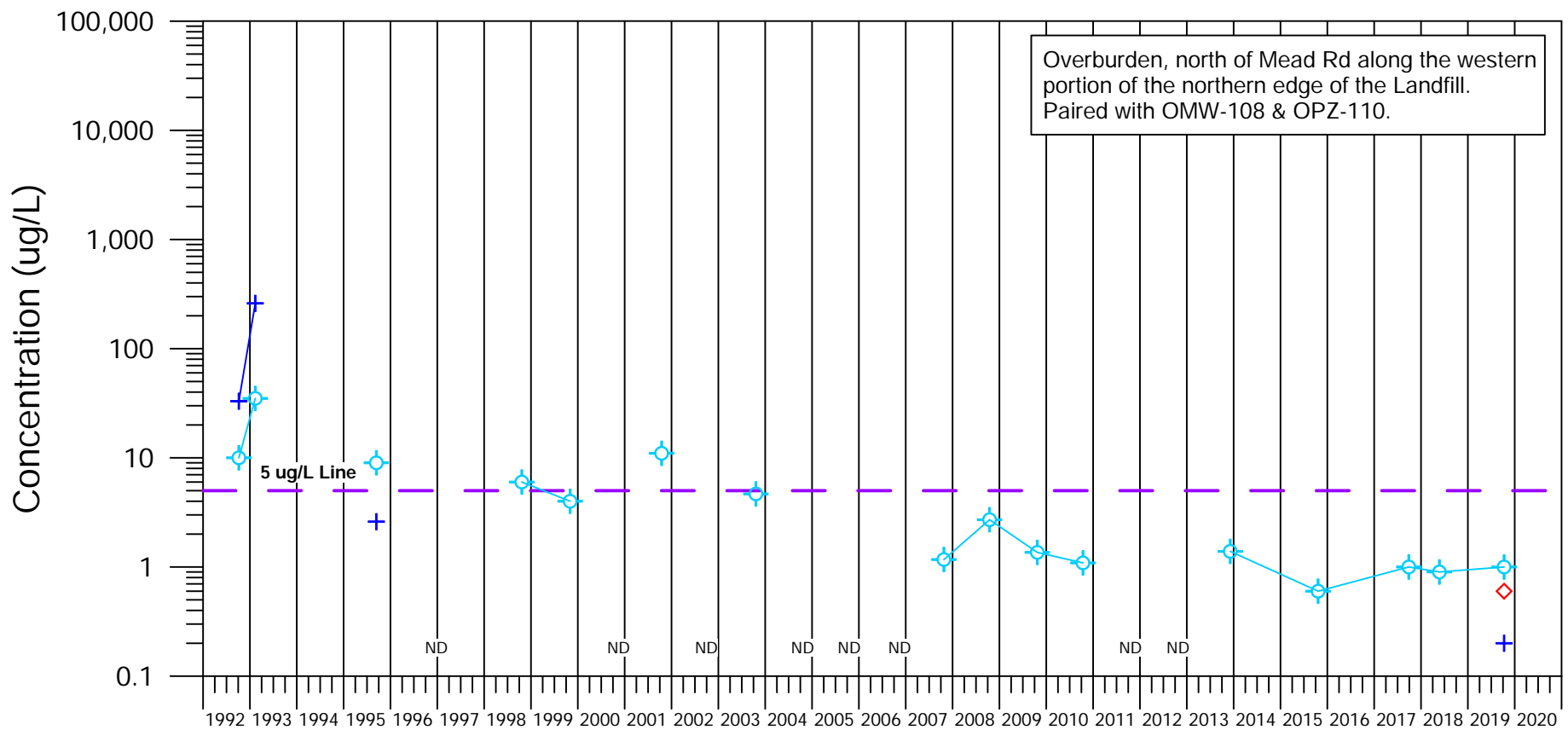


FIGURE 4-2

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-107

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-3

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-102

Dewey Loeffel Landfill Superfund Site
Nassau, New York

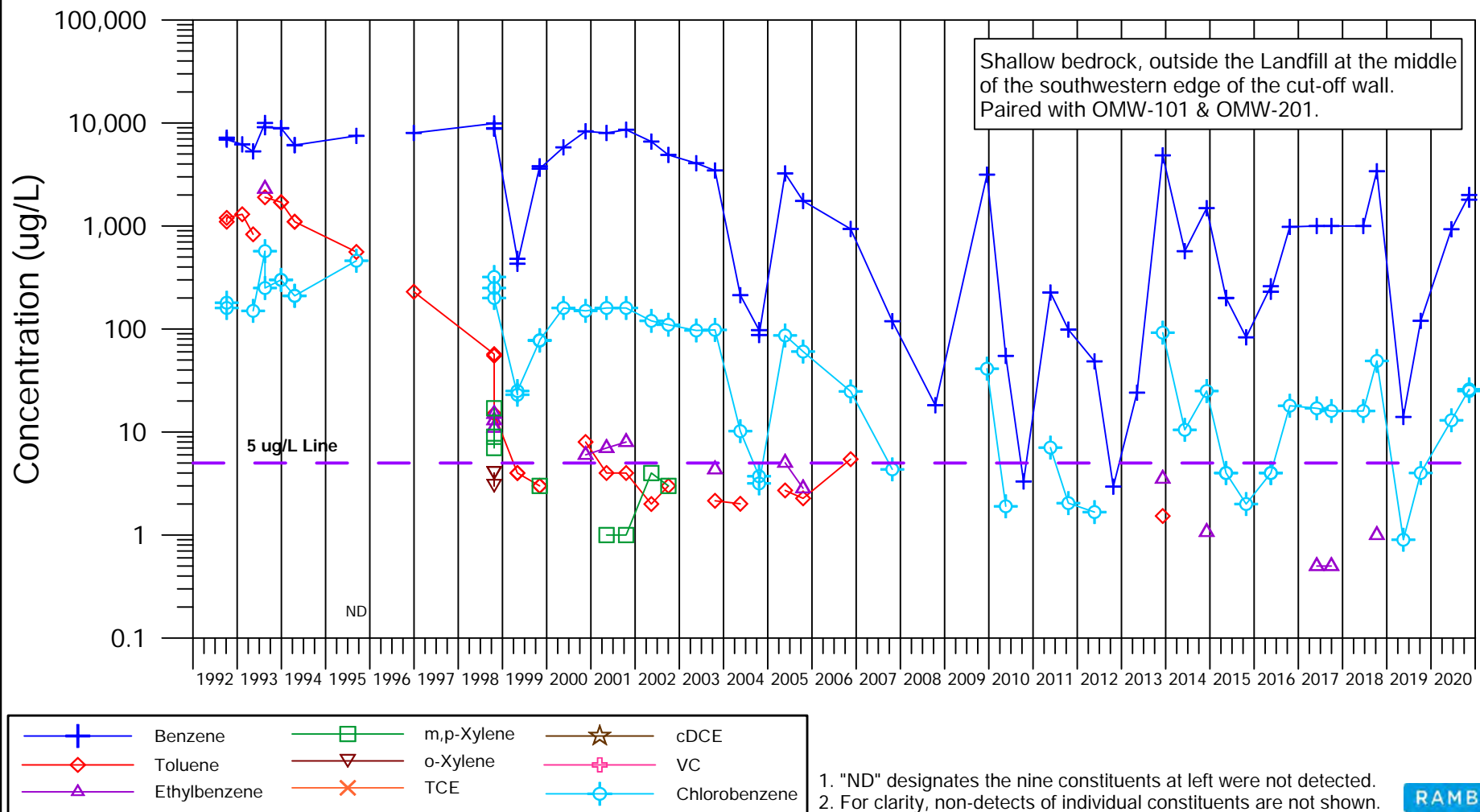
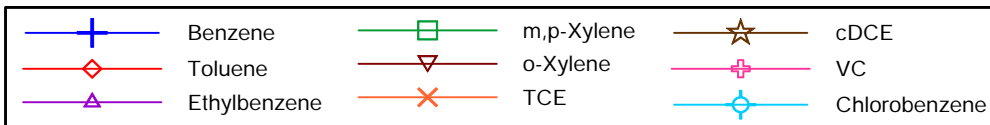
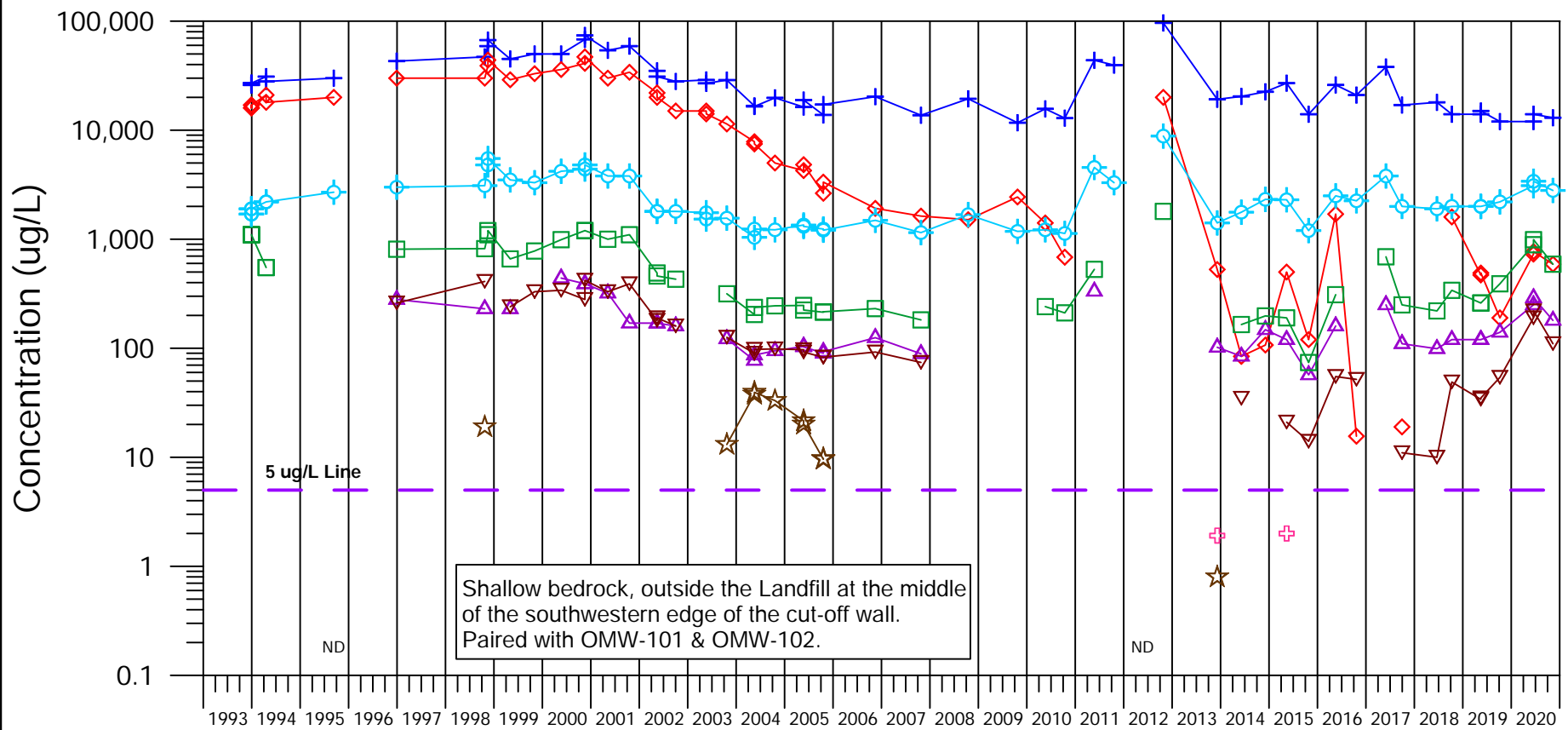


FIGURE 4-4

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-201

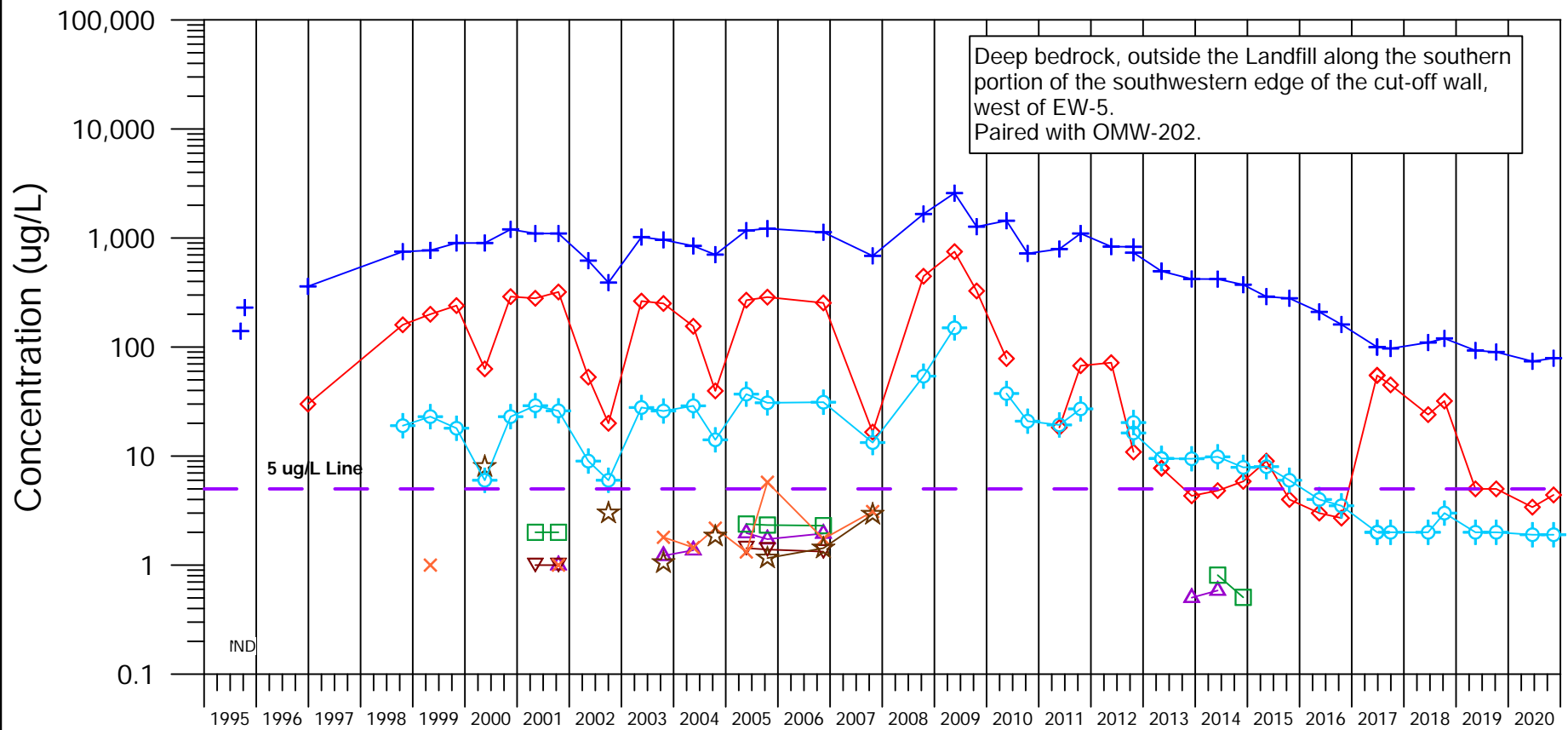
Dewey Loeffel Landfill Superfund Site
Nassau, New York



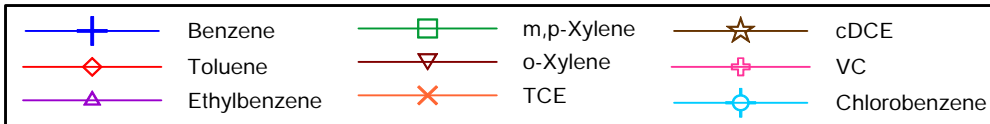
1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-5 CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-215

Dewey Loeffel Landfill Superfund Site
Nassau, New York



Deep bedrock, outside the Landfill along the southwestern edge of the cut-off wall, west of EW-5.
Paired with OMW-202.



1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-6
CONCENTRATIONS OF VOCs
AT MONITORING WELL OMW-213

Dewey Loeffel Landfill Superfund Site
Nassau, New York

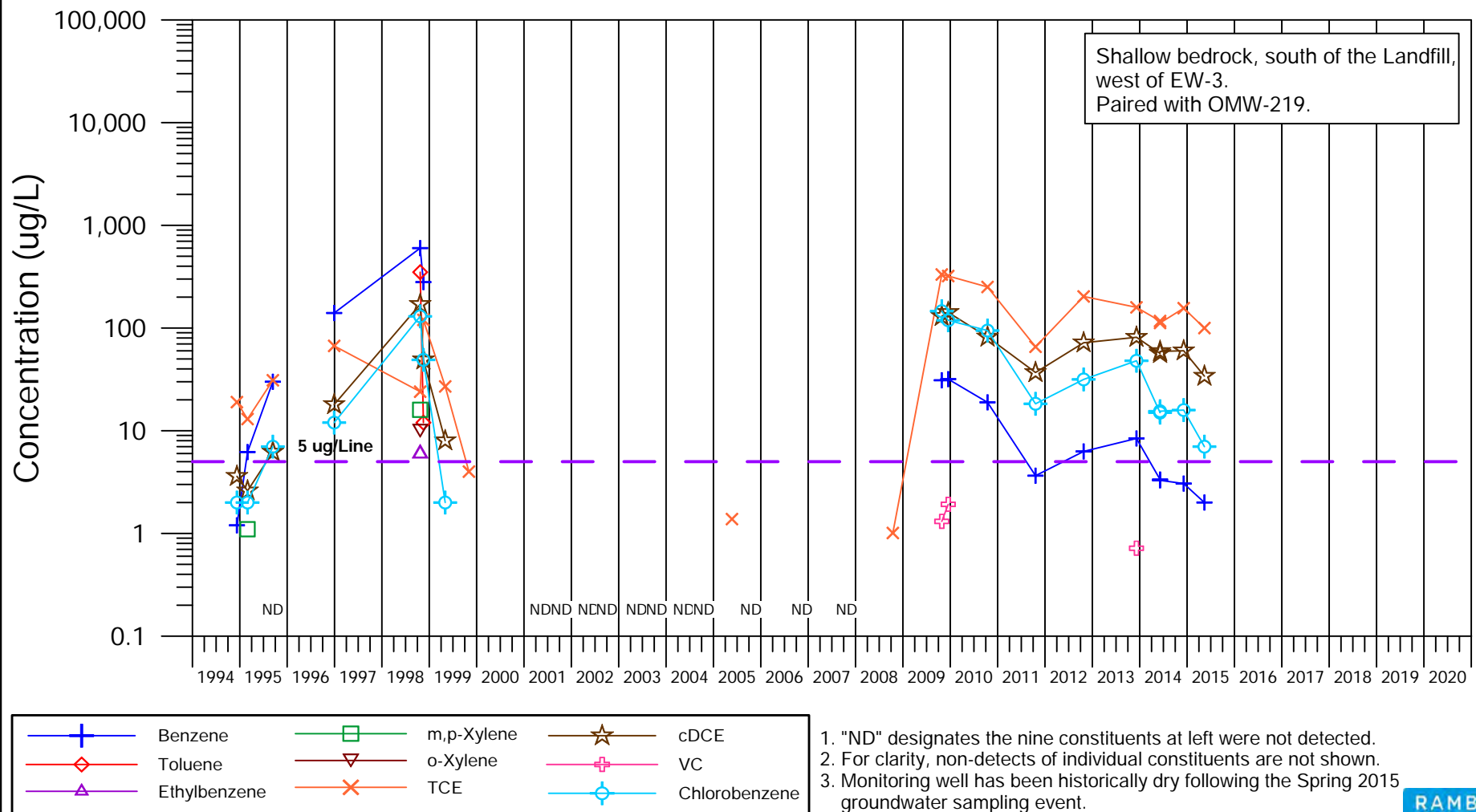
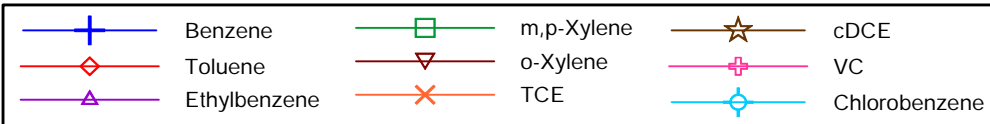
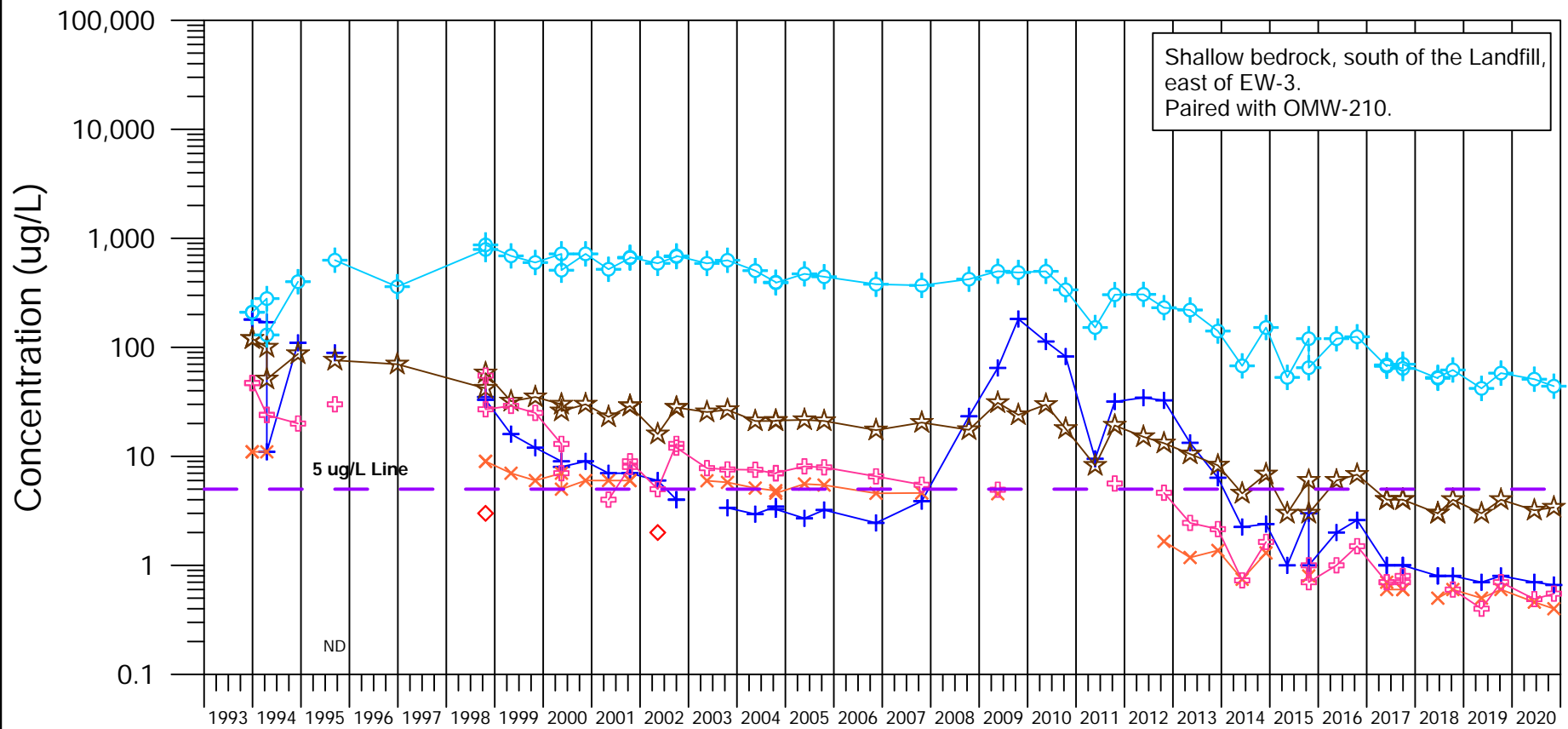


FIGURE 4-7

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-205

Dewey Loeffel Landfill Superfund Site
Nassau, New York

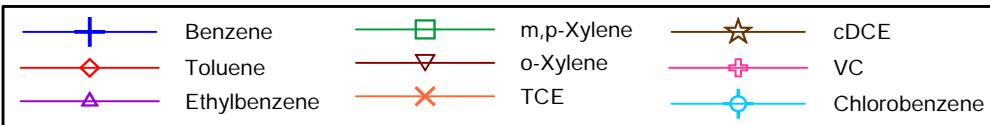
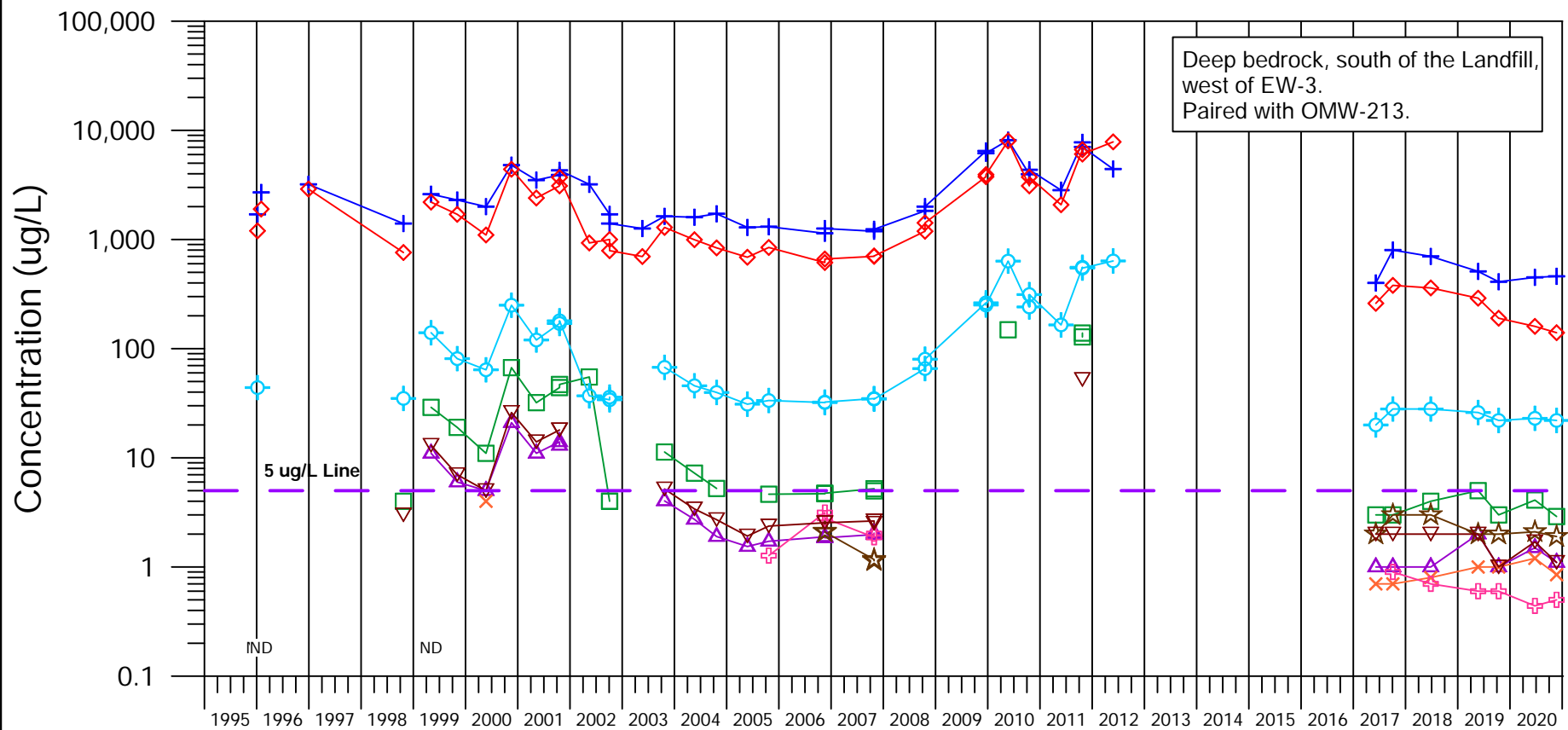


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-8

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-219

Dewey Loeffel Landfill Superfund Site
Nassau, New York

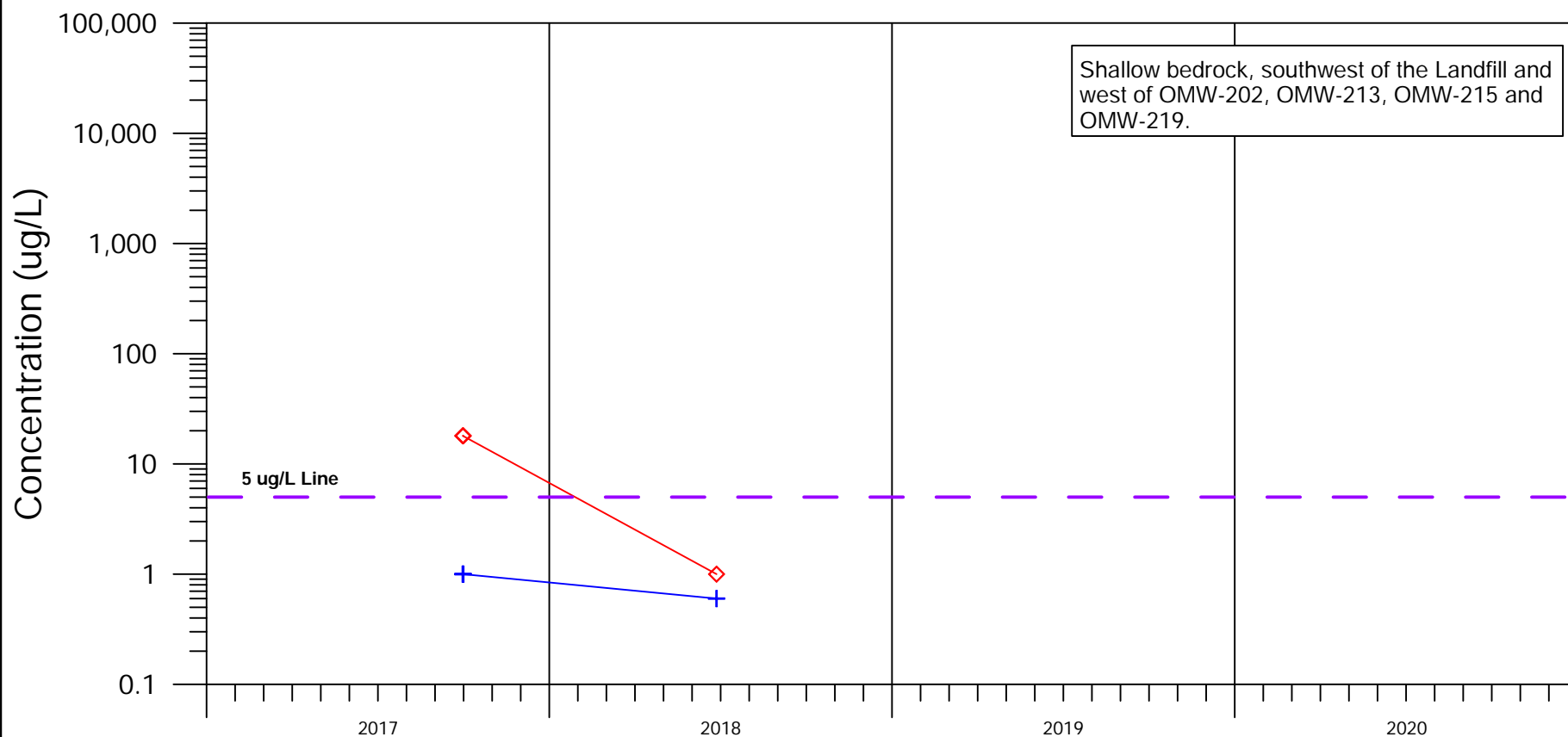


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. OMW-219 could not be sampled from Fall 2012 through Fall 2016 because the well was damaged. The monitoring well was recompleted in May 2017 prior to the Spring 2017 sampling event.

FIGURE 4-9

CONCENTRATIONS OF VOCs AT MULTI-LEVEL MONITORING WELL PORT EPA-3A

Dewey Loeffel Landfill Superfund Site
Nassau, New York



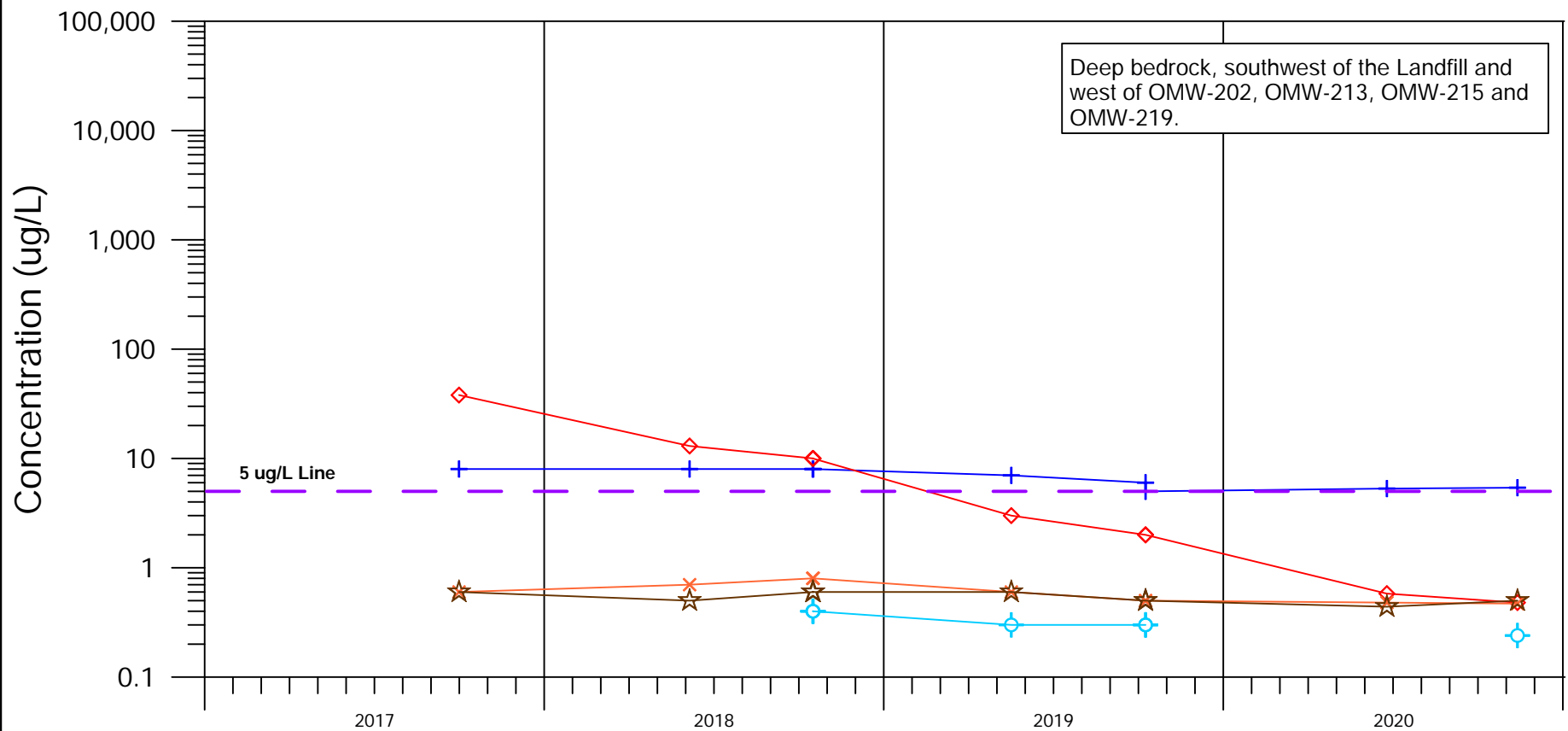
1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. EPA-3A is one of three ports in multi-level monitoring well EPA-3.
4. EPA-3A has been historically dry since the Fall 2018 groundwater sampling event.

FIGURE 4-10

CONCENTRATIONS OF VOCs

AT MULTI-LEVEL MONITORING WELL PORT EPA-3B

Dewey Loeffel Landfill Superfund Site
Nassau, New York

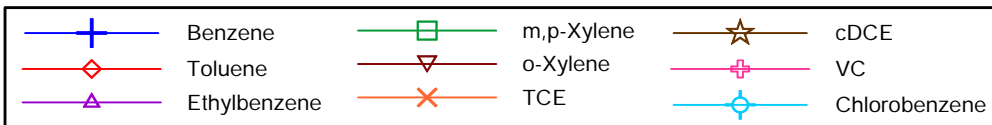
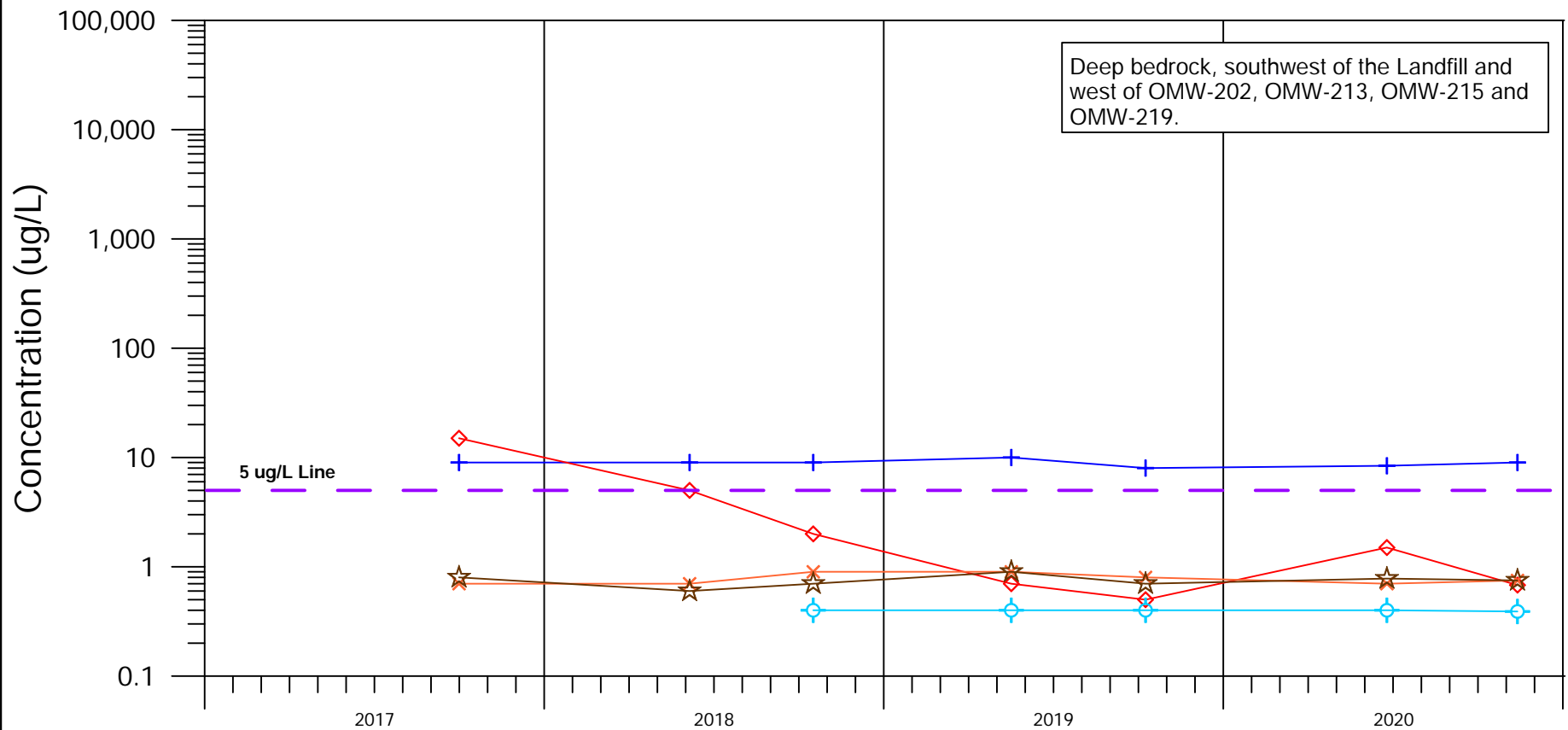


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. EPA-3B is one of three ports in multi-level monitoring well EPA-3.

FIGURE 4-11

CONCENTRATIONS OF VOCs AT MULTI-LEVEL MONITORING WELL PORT EPA-3C

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. EPA-3C is one of three ports in multi-level monitoring well EPA-3.

FIGURE 4-12

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-216

Dewey Loeffel Landfill Superfund Site
Nassau, New York

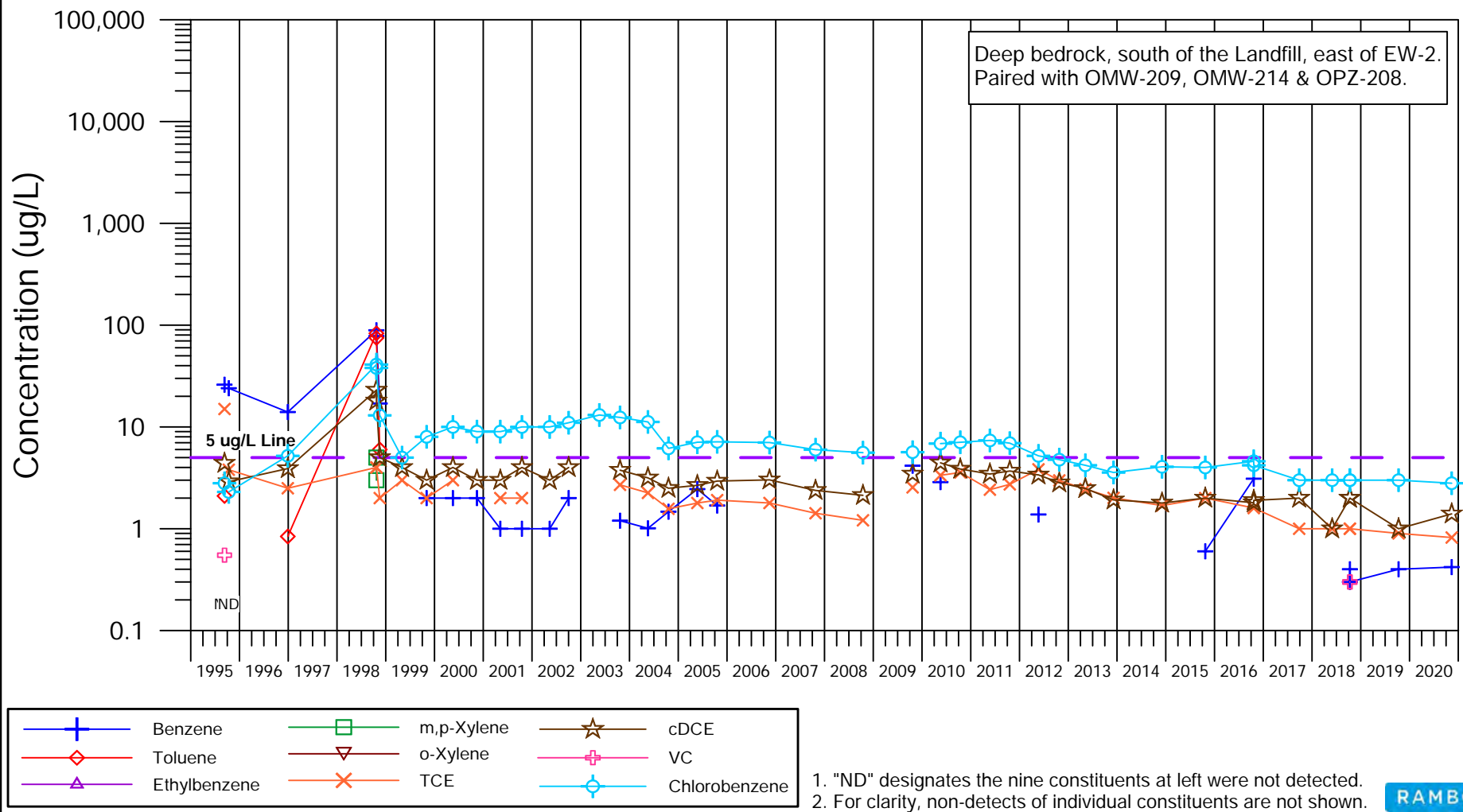


FIGURE 4-13

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-221

Dewey Loeffel Landfill Superfund Site
Nassau, New York

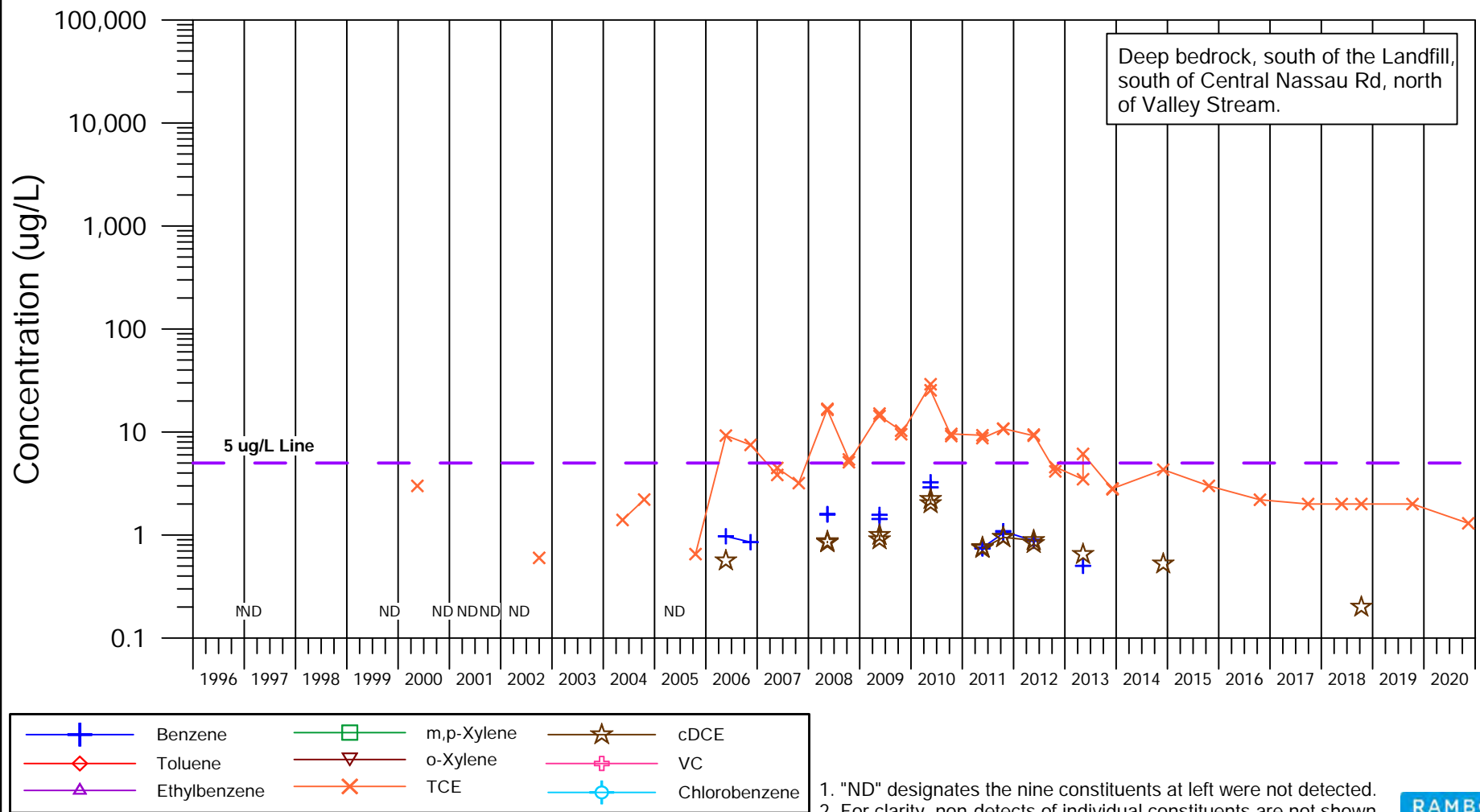
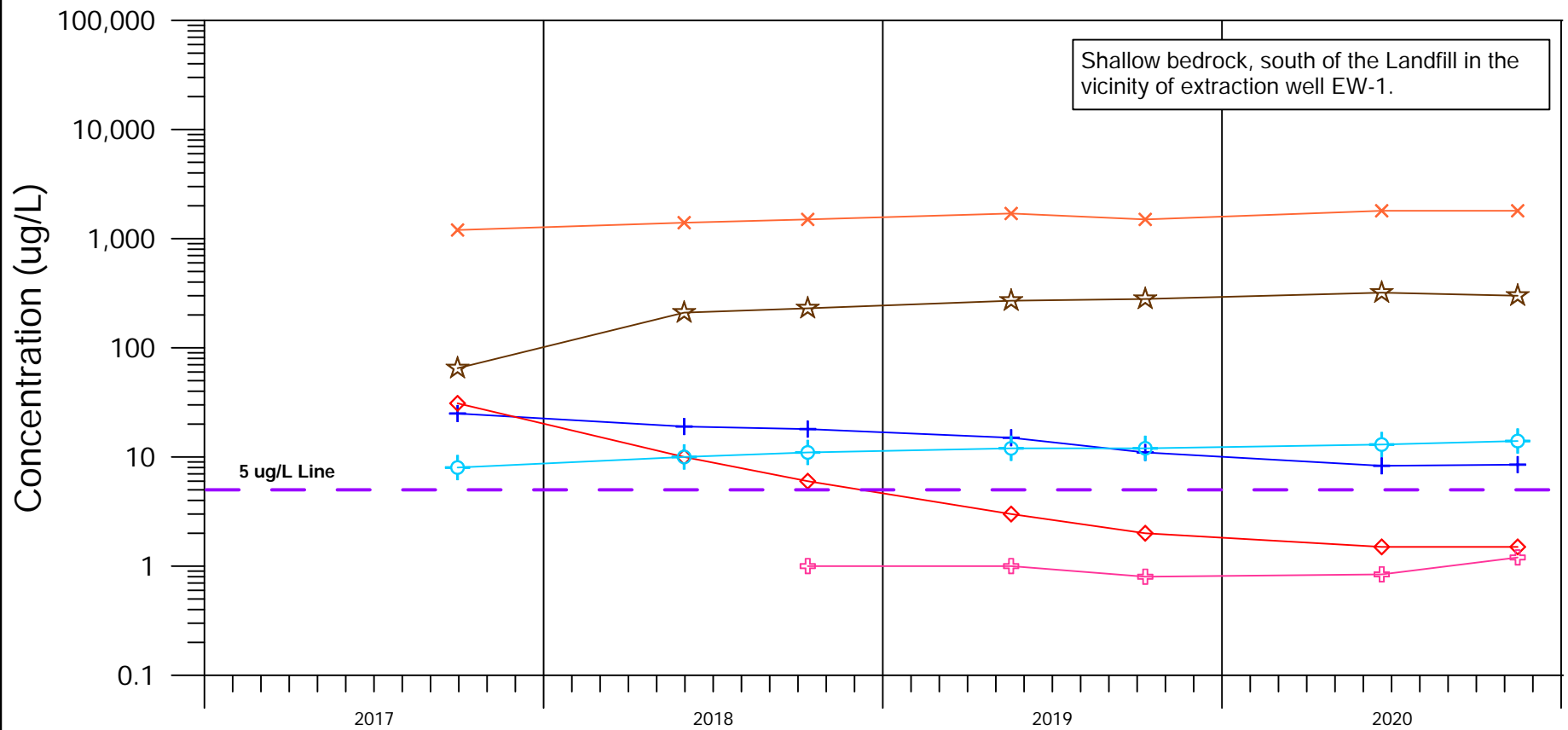


FIGURE 4-14

CONCENTRATIONS OF VOCs AT MULTI-LEVEL MONITORING WELL PORT EPA-1A

Dewey Loeffel Landfill Superfund Site
Nassau, New York

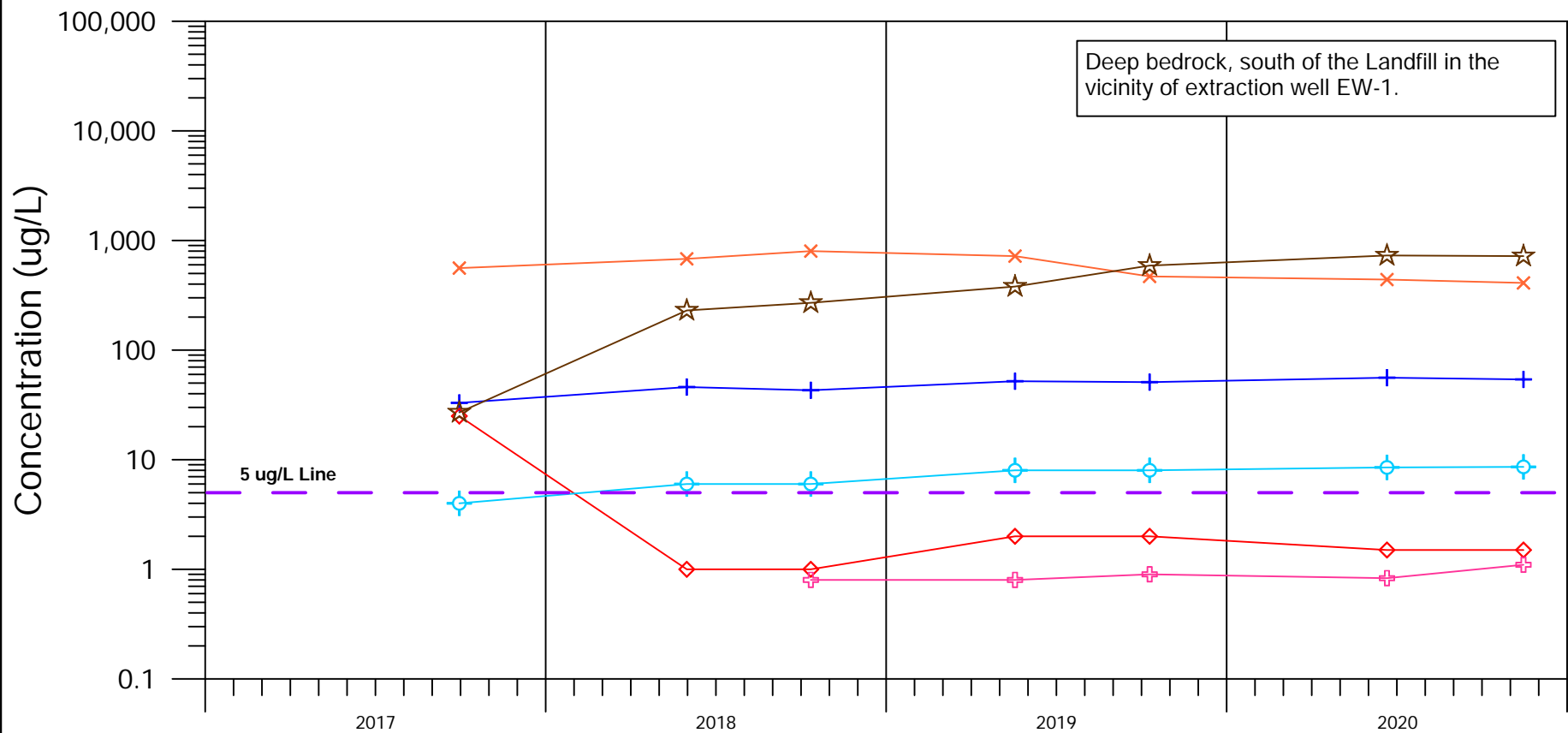


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. EPA-1A is one of three ports in multi-level monitoring well EPA-1.

FIGURE 4-15

CONCENTRATIONS OF VOCs AT MULTI-LEVEL MONITORING WELL PORT EPA-1B

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. EPA-1B is one of three ports in multi-level monitoring well EPA-1.

FIGURE 4-16

CONCENTRATIONS OF VOCs AT MULTI-LEVEL MONITORING WELL PORT EPA-1C

Dewey Loeffel Landfill Superfund Site
Nassau, New York

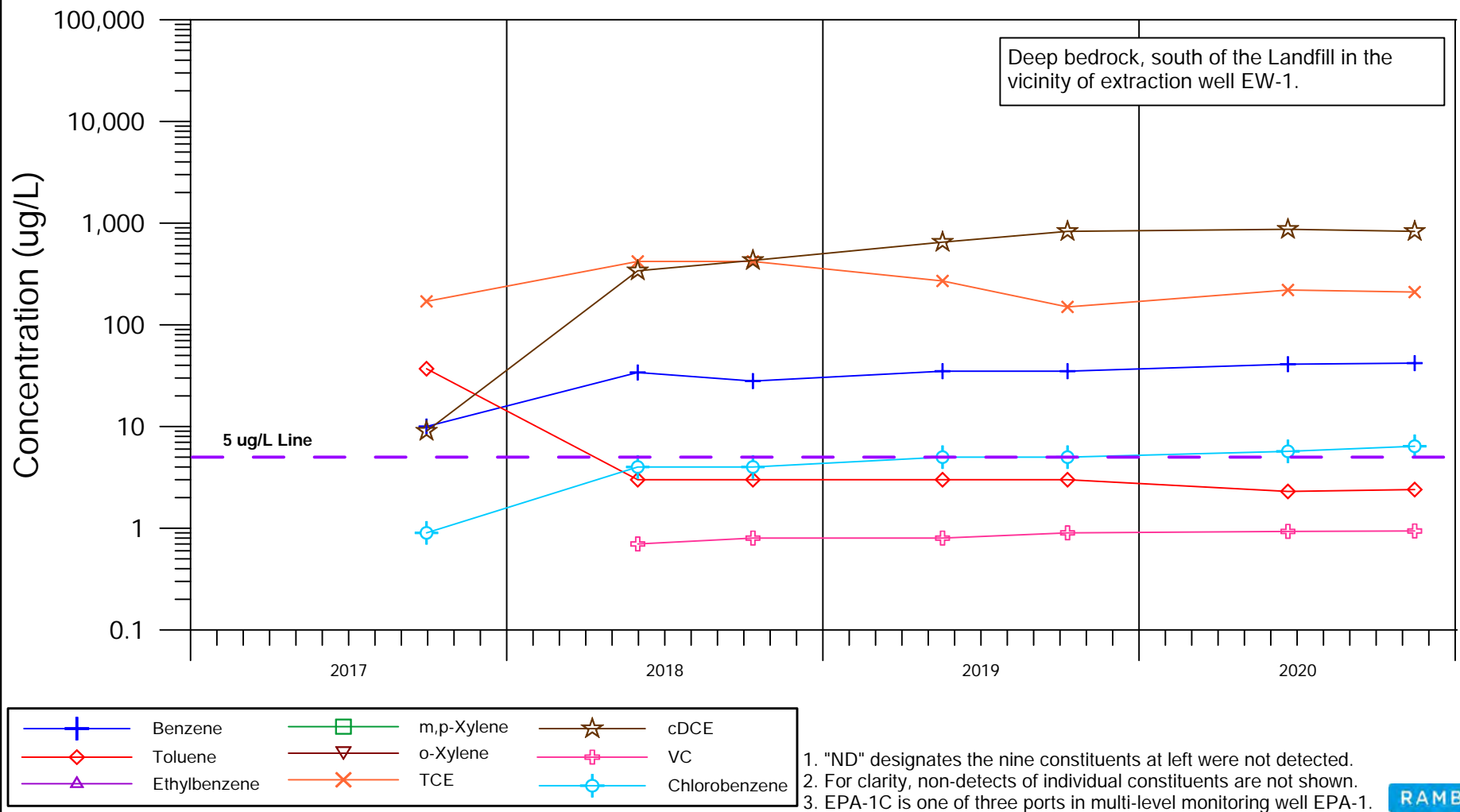


FIGURE 4-17

CONCENTRATIONS OF VOCs AT MULTI-LEVEL MONITORING WELL PORT EPA-2A

Dewey Loeffel Landfill Superfund Site
Nassau, New York

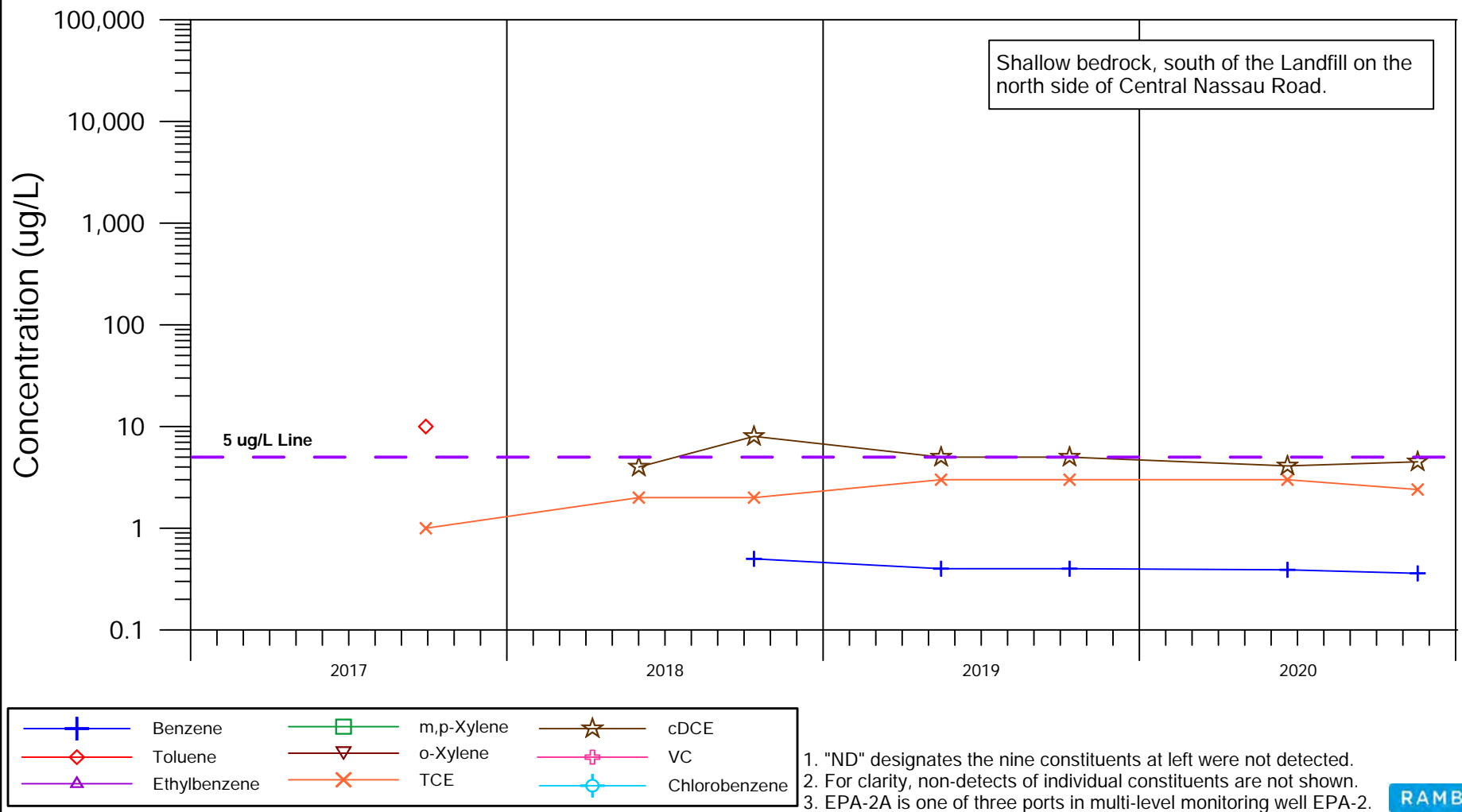
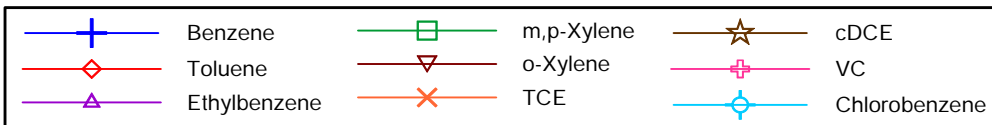
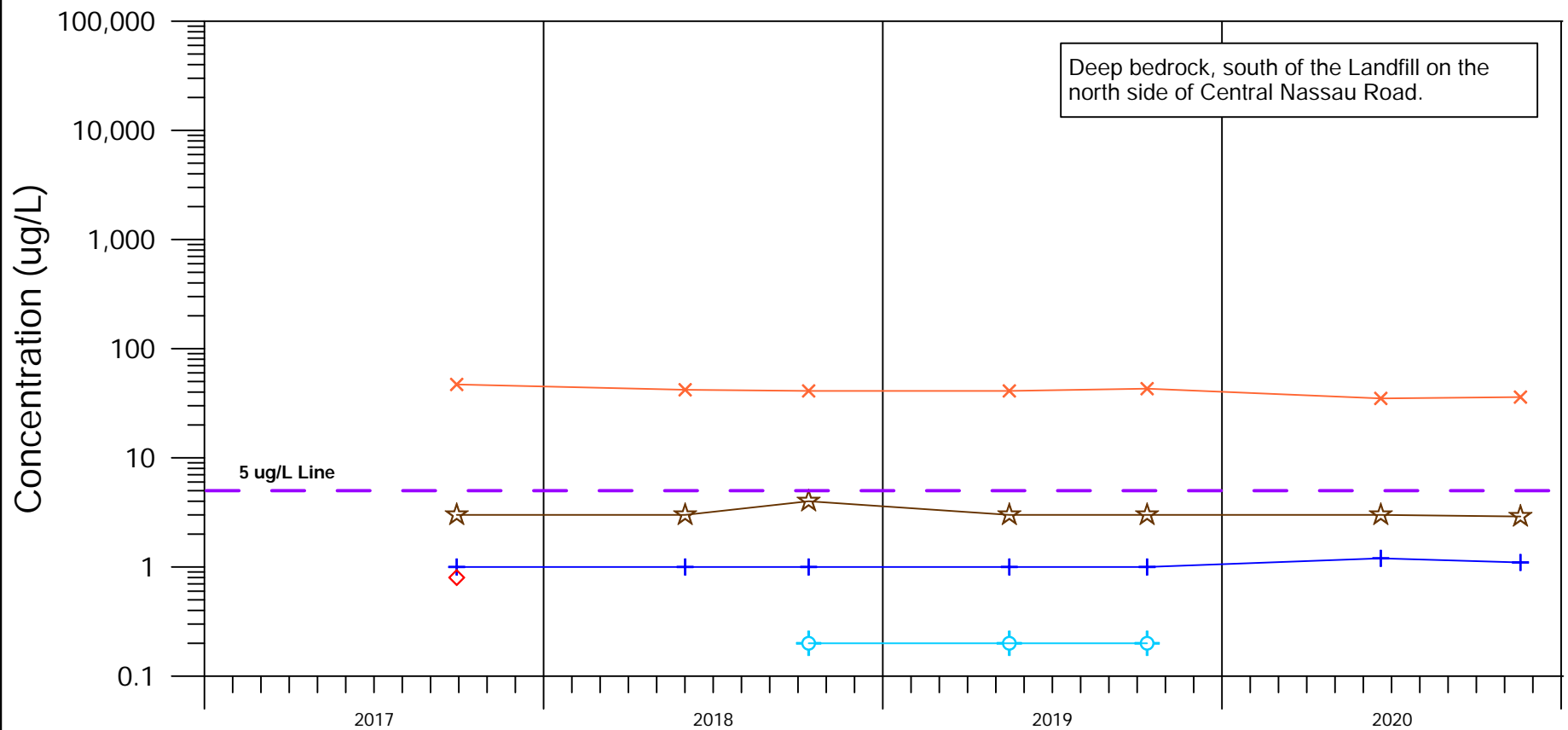


FIGURE 4-18

CONCENTRATIONS OF VOCs AT MULTI-LEVEL MONITORING WELL PORT EPA-2B

Dewey Loeffel Landfill Superfund Site
Nassau, New York

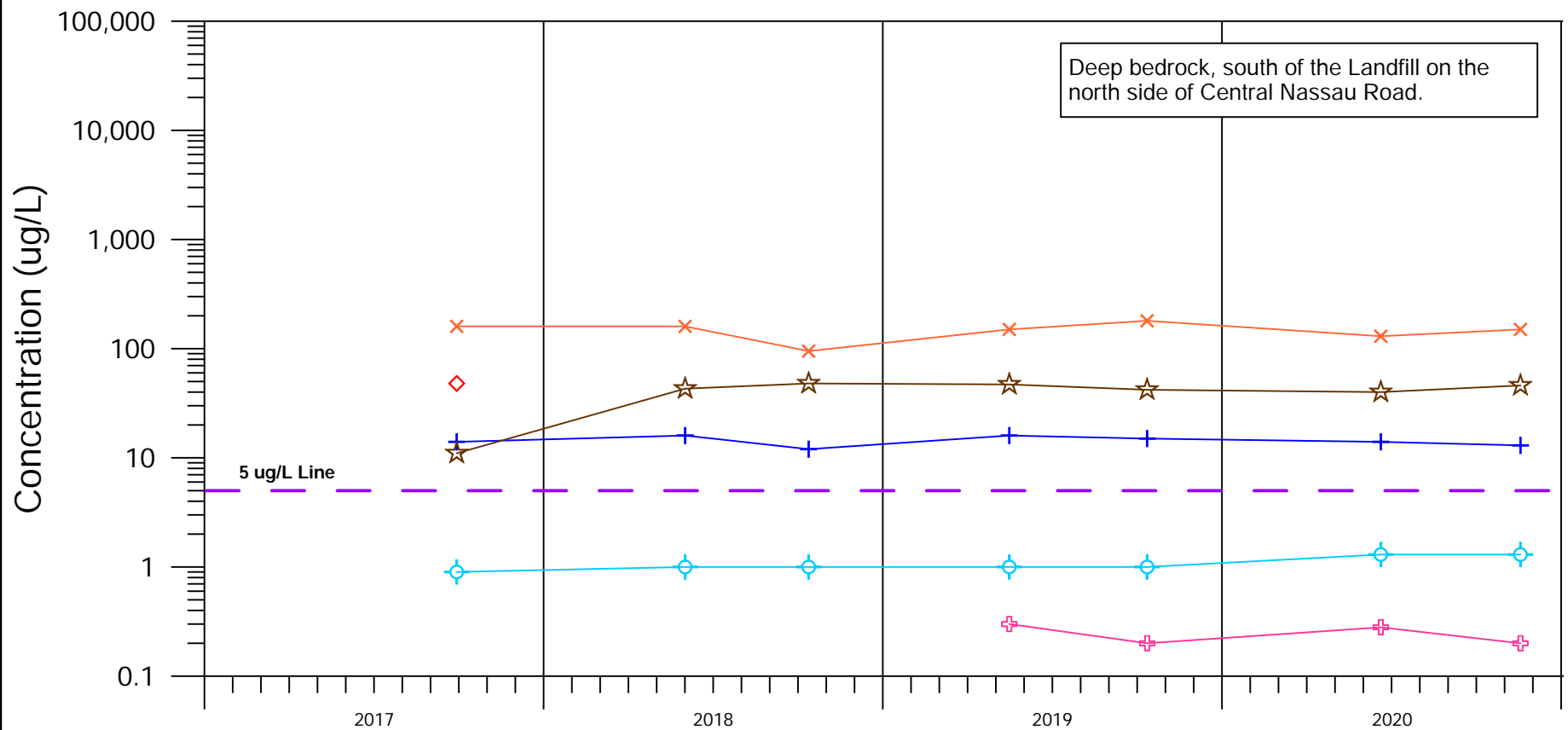


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. EPA-2B is one of three ports in multi-level monitoring well EPA-2.

FIGURE 4-19

CONCENTRATIONS OF VOCs AT MULTI-LEVEL MONITORING WELL PORT EPA-2C

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. EPA-2C is one of three ports in multi-level monitoring well EPA-2.

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-214

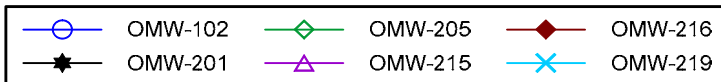
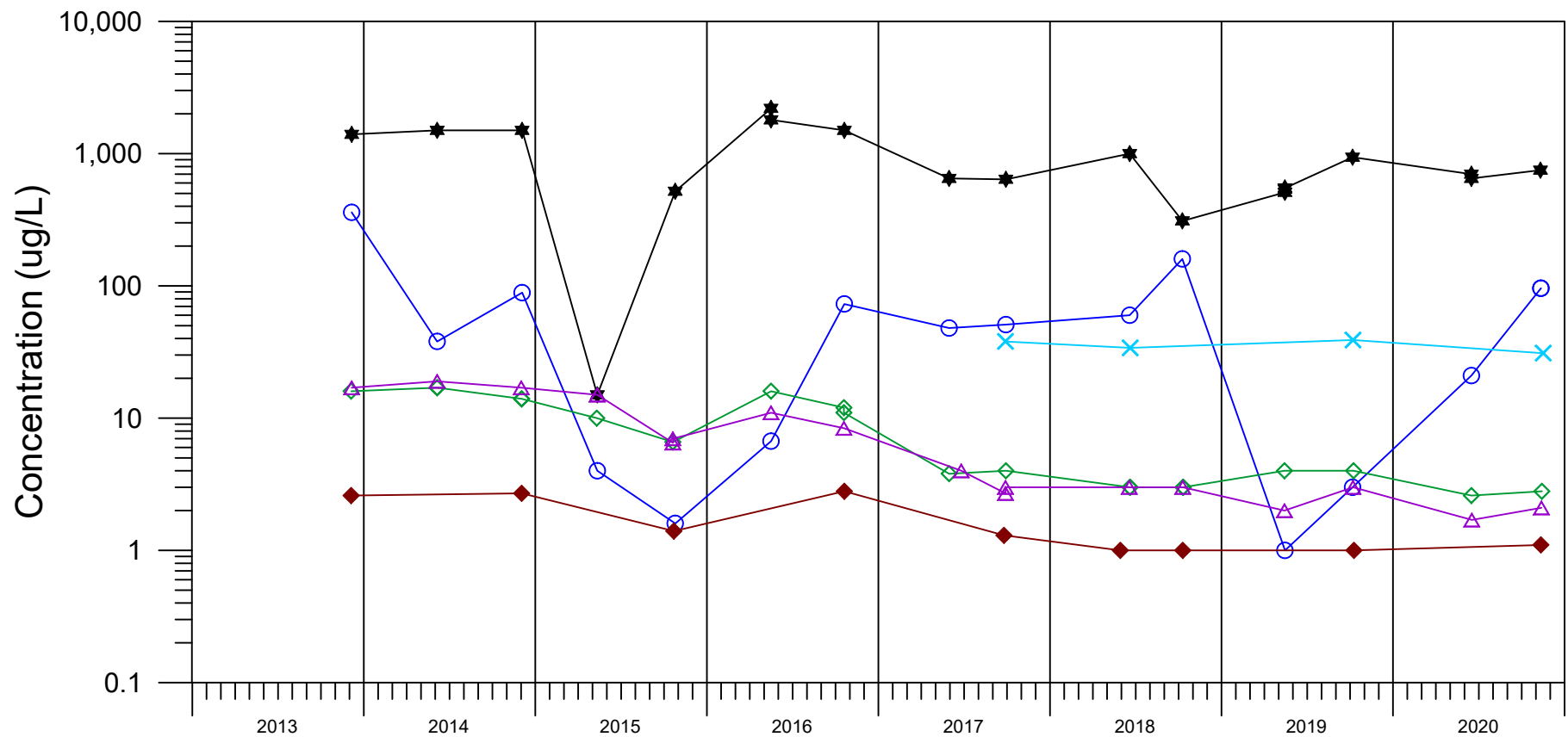
Shallow bedrock, south of the Landfill, east of EW-2.
Paired with OMW-209, OMW-216 & OPZ-208.



FIGURE 4-21

CONCENTRATIONS OF 1,4-DIOXANE AT MONITORING WELLS OMW-102, OMW-201, OMW-205, OMW-215, OMW-216 AND OMW-219

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. OMW-219 could not be sampled from Fall 2012 through Fall 2016 because the well was damaged. The monitoring well was recompleted in May 2017 prior to the Spring 2017 sampling event.

FIGURE 4-22

CONCENTRATIONS OF 1,4-DIOXANE AT MULTI-LEVEL MONITORING WELLS EPA-1, EPA-2, EPA-3, EPA-4 AND EPA-5

Dewey Loeffel Landfill Superfund Site
Nassau, New York

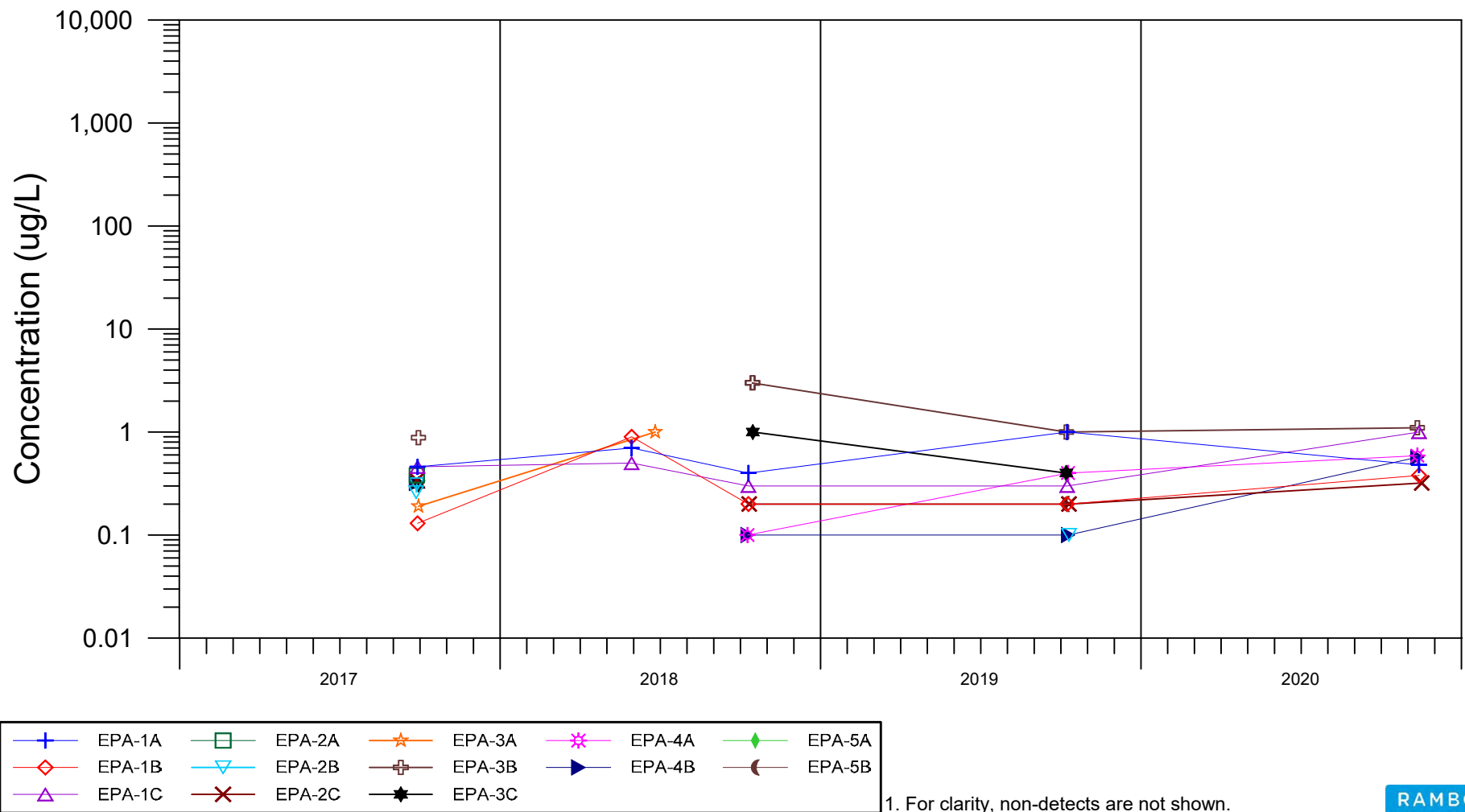


FIGURE 4-23

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-1

Dewey Loeffel Landfill Superfund Site
Nassau, New York

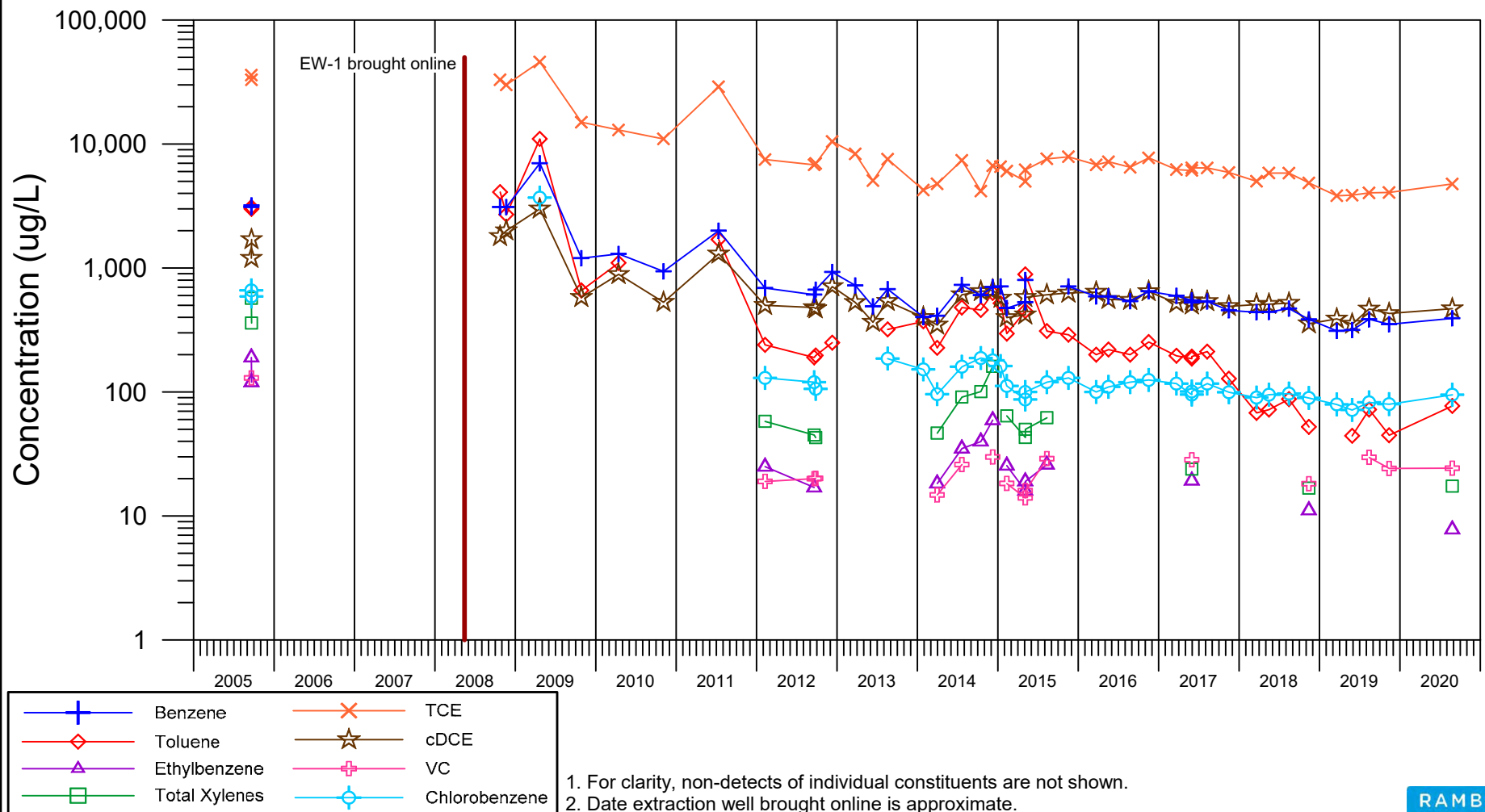


FIGURE 4-24

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-2

Dewey Loeffel Landfill Superfund Site
Nassau, New York

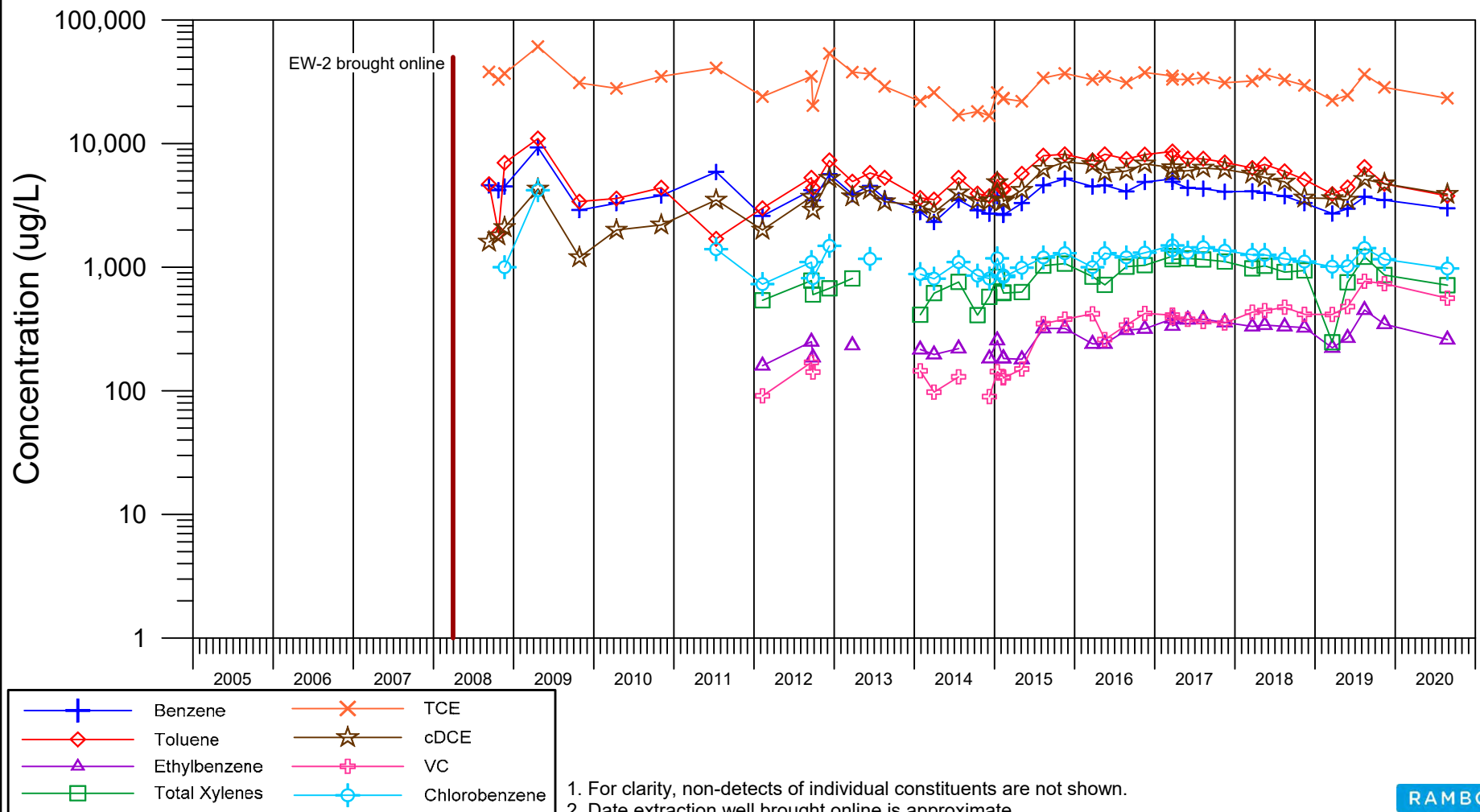


FIGURE 4-25

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-3

Dewey Loeffel Landfill Superfund Site
Nassau, New York

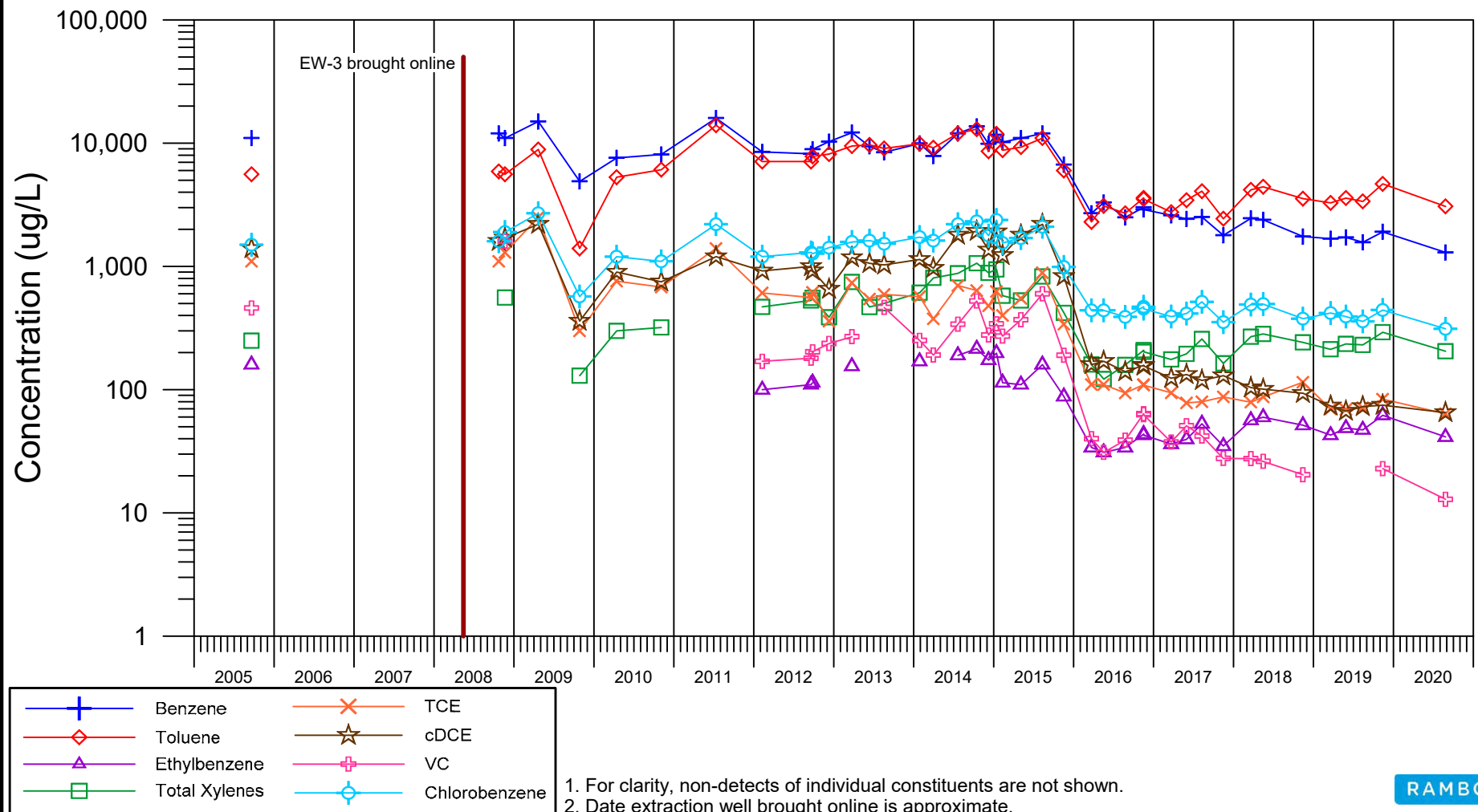


FIGURE 4-26

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-4

Dewey Loeffel Landfill Superfund Site
Nassau, New York

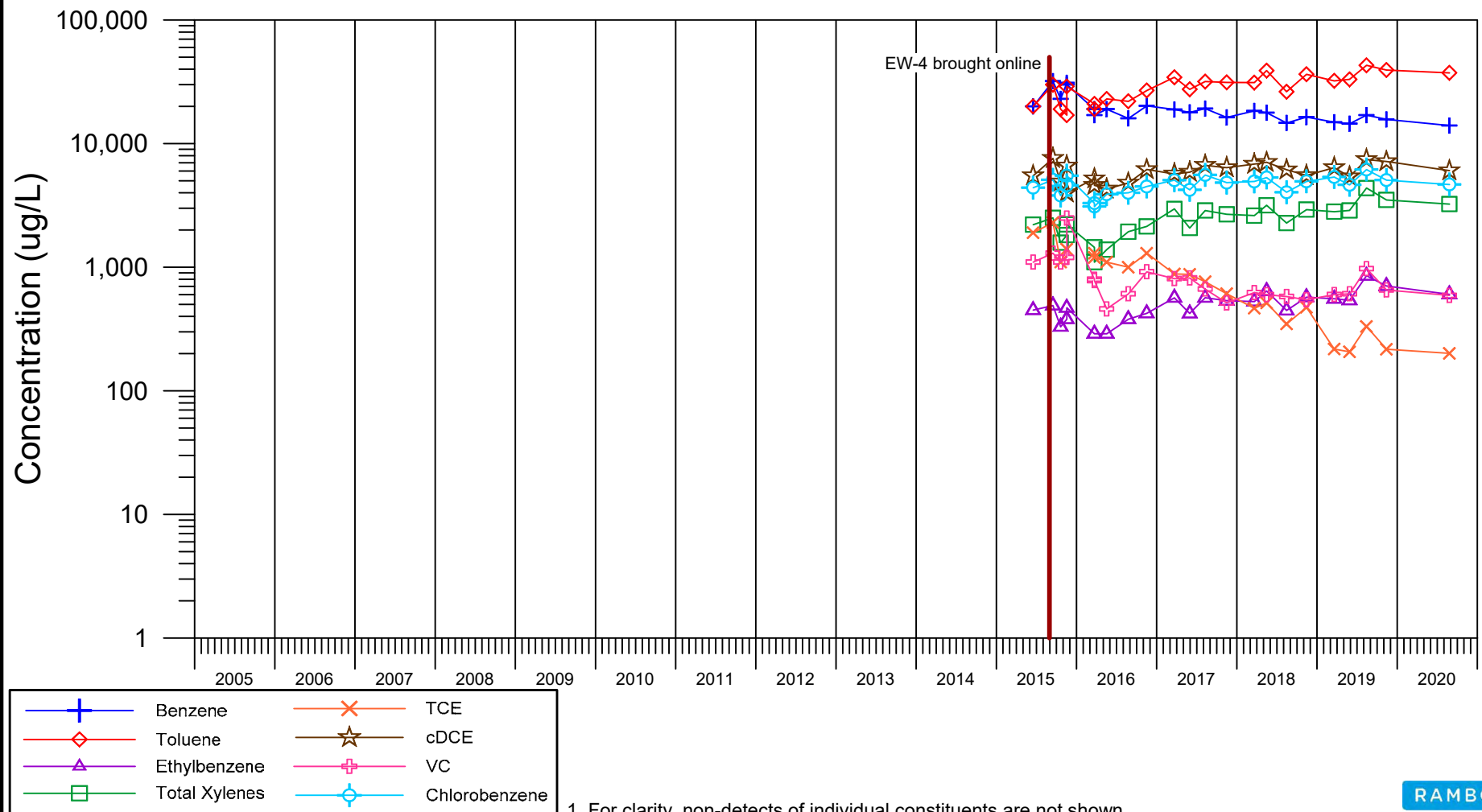
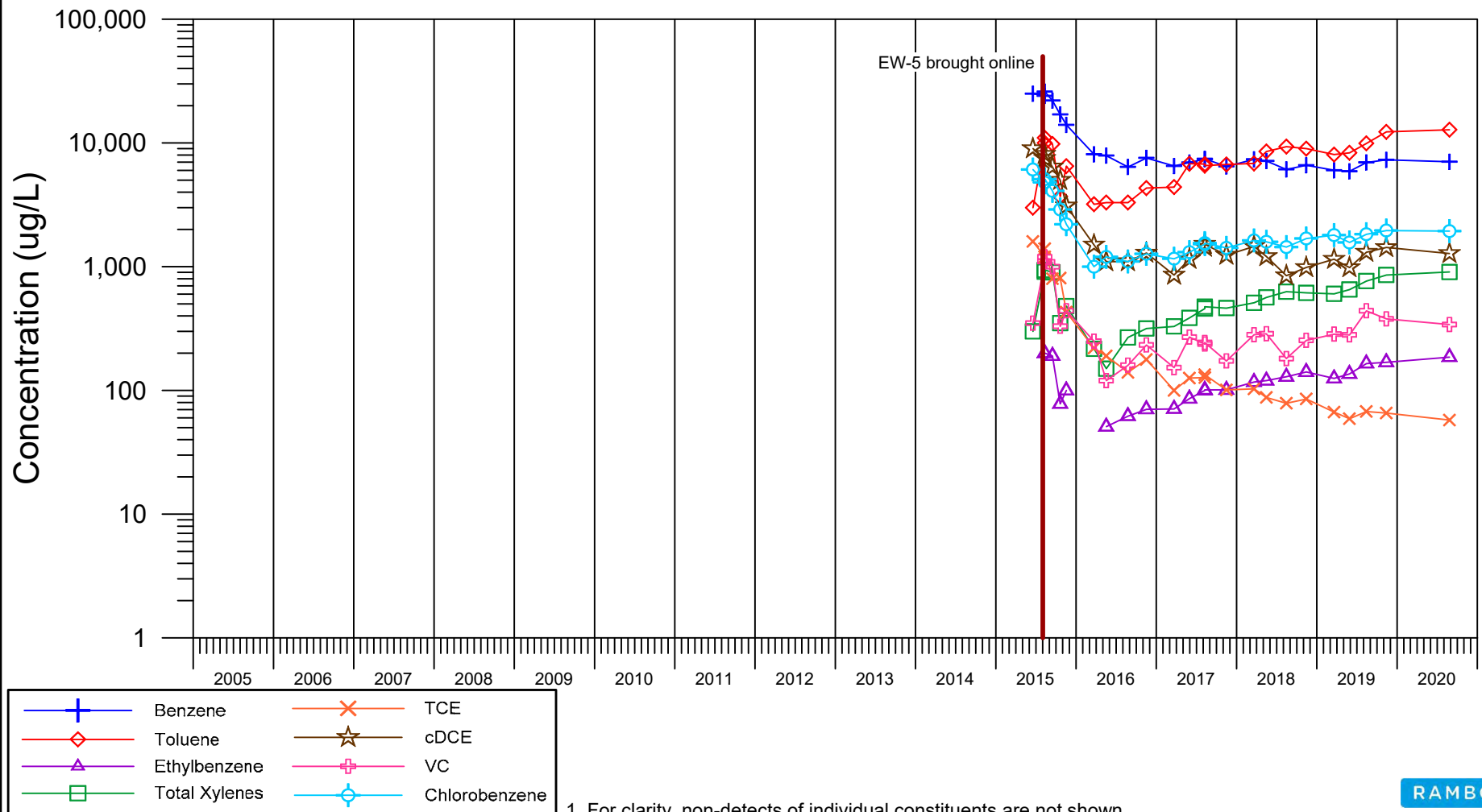


FIGURE 4-27

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-5

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-28

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-6

Dewey Loeffel Landfill Superfund Site
Nassau, New York

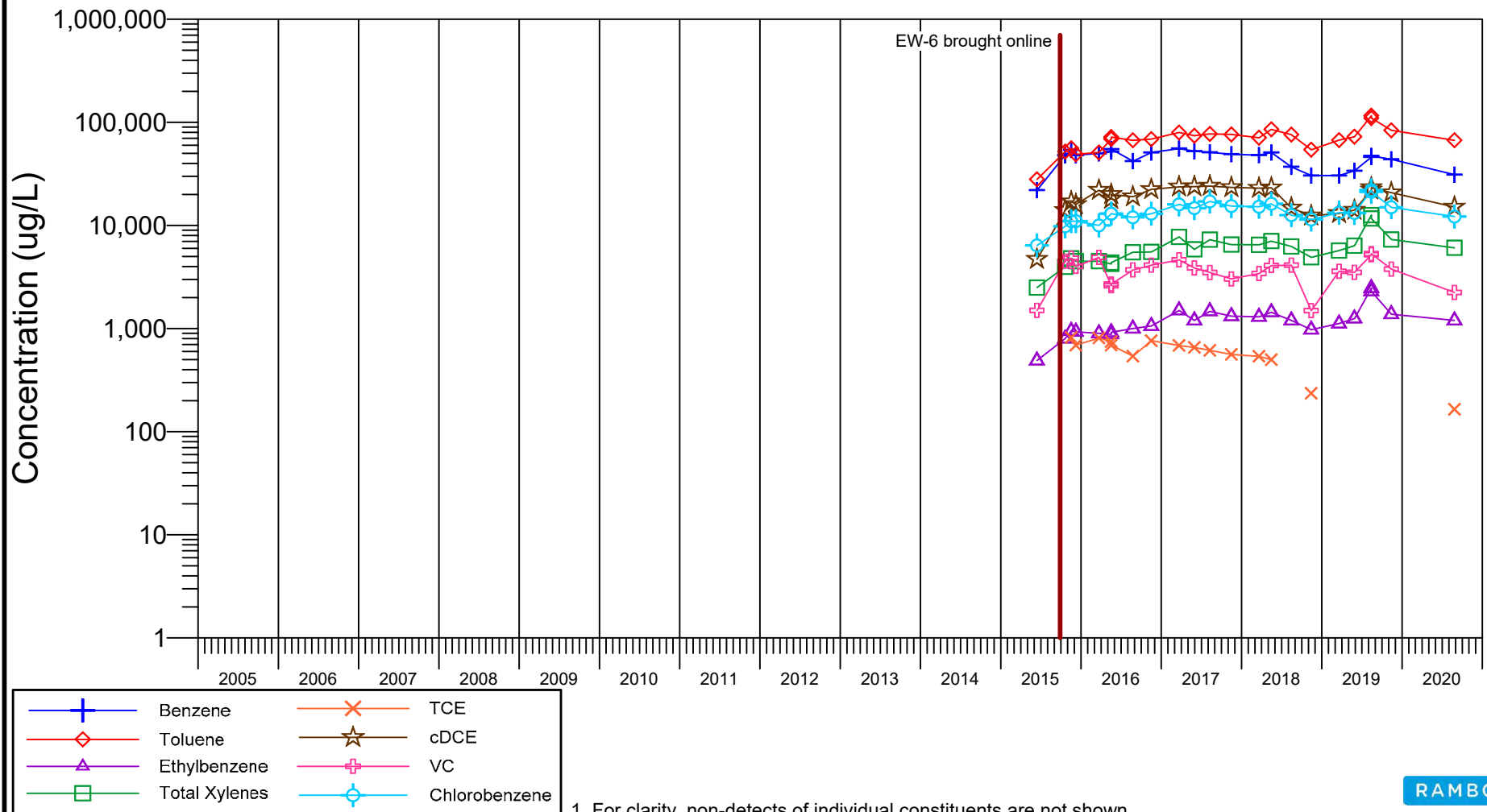
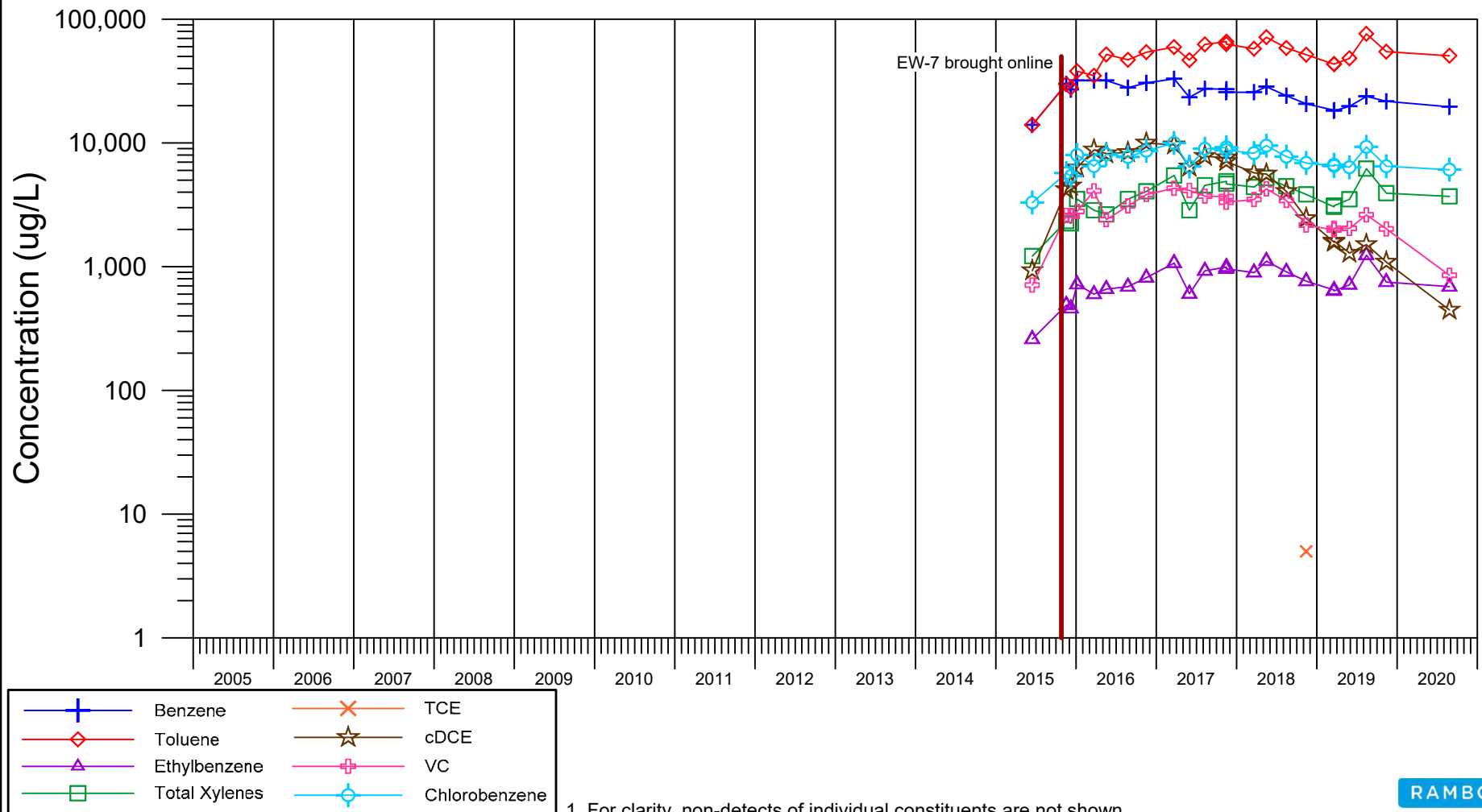


FIGURE 4-29

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-7

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-30

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-8

Dewey Loeffel Landfill Superfund Site
Nassau, New York

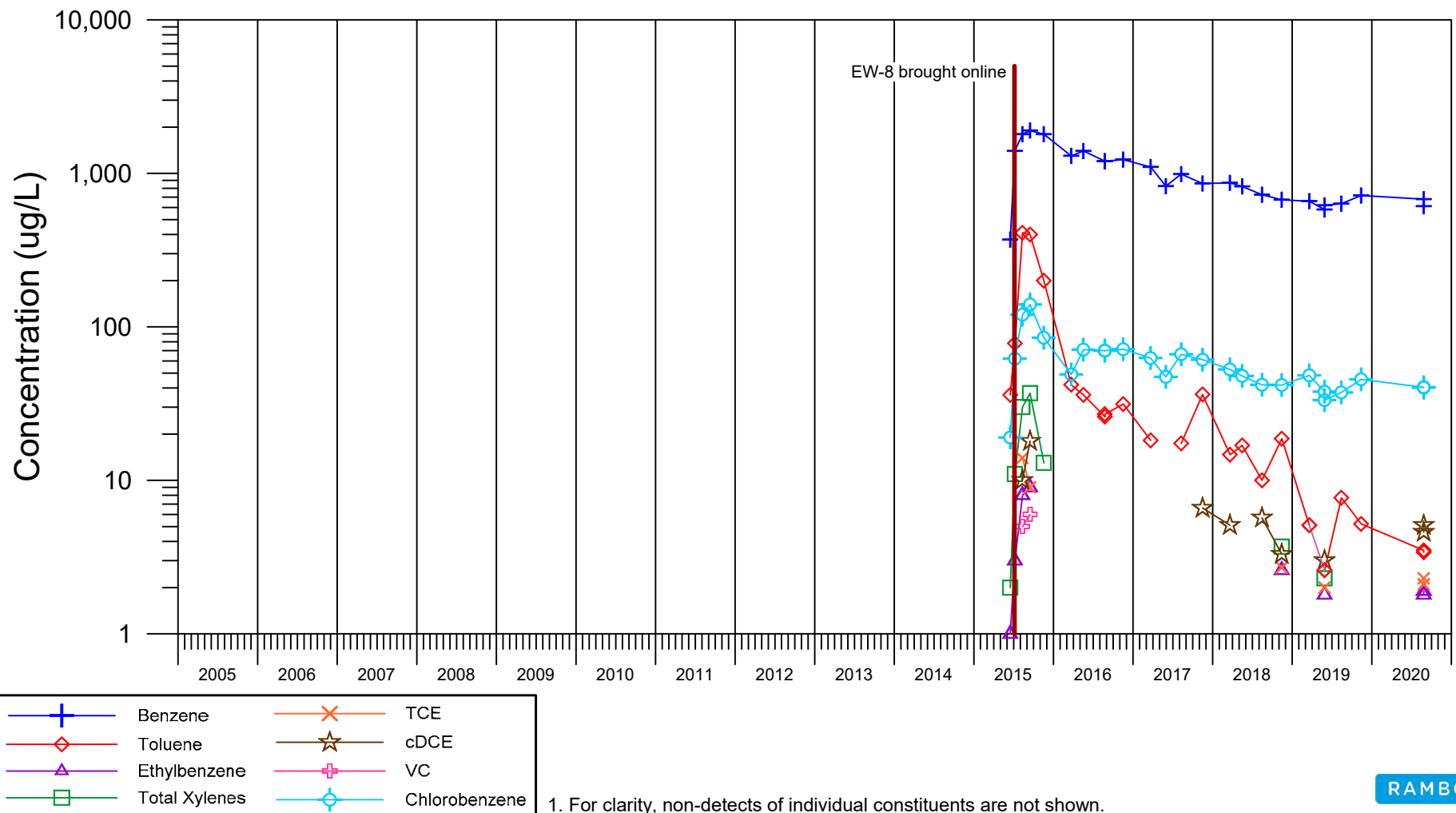


FIGURE 4-31

CONCENTRATIONS OF VOCs IN LEACHATE COLLECTION TANK

Dewey Loeffel Landfill Superfund Site
Nassau, New York

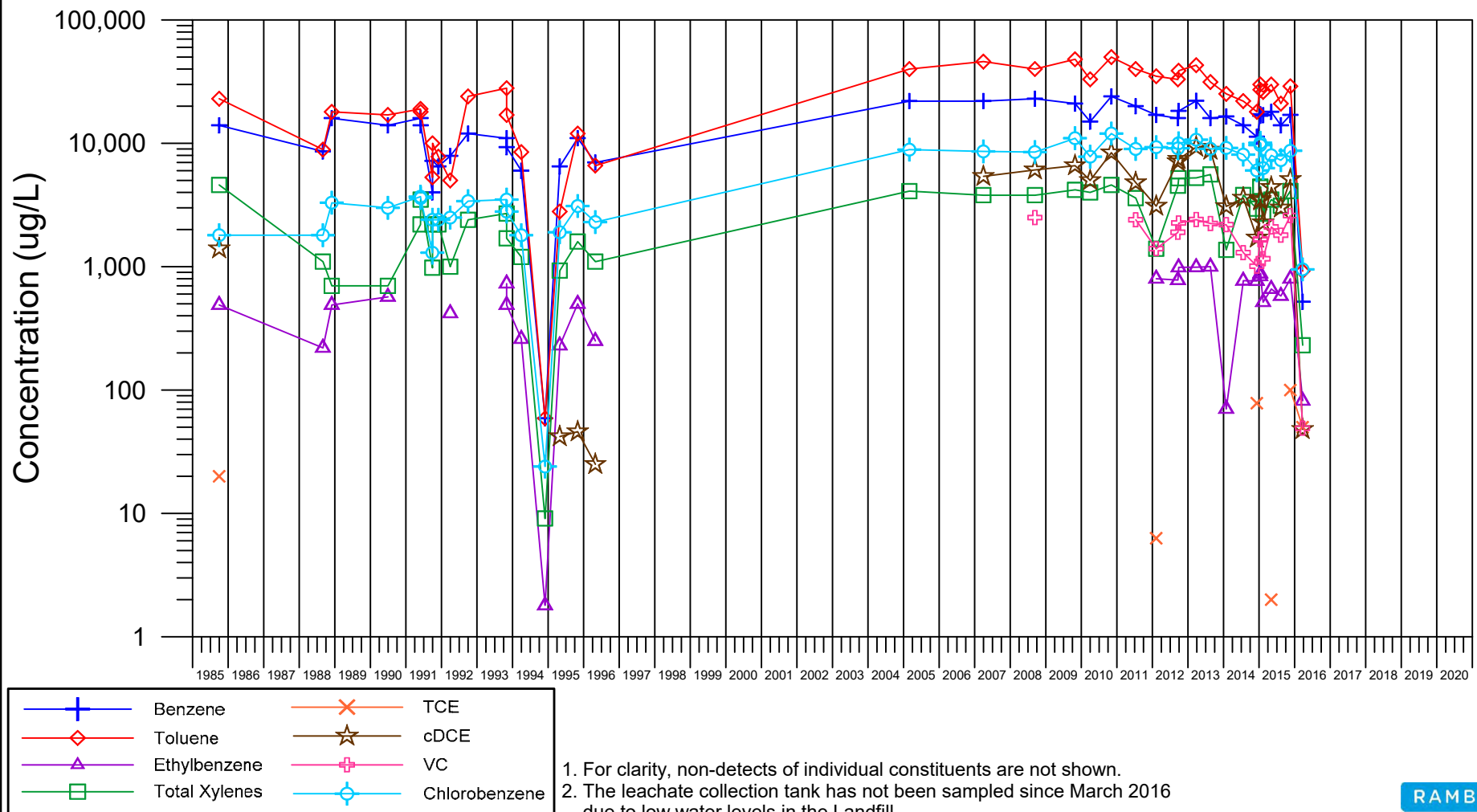
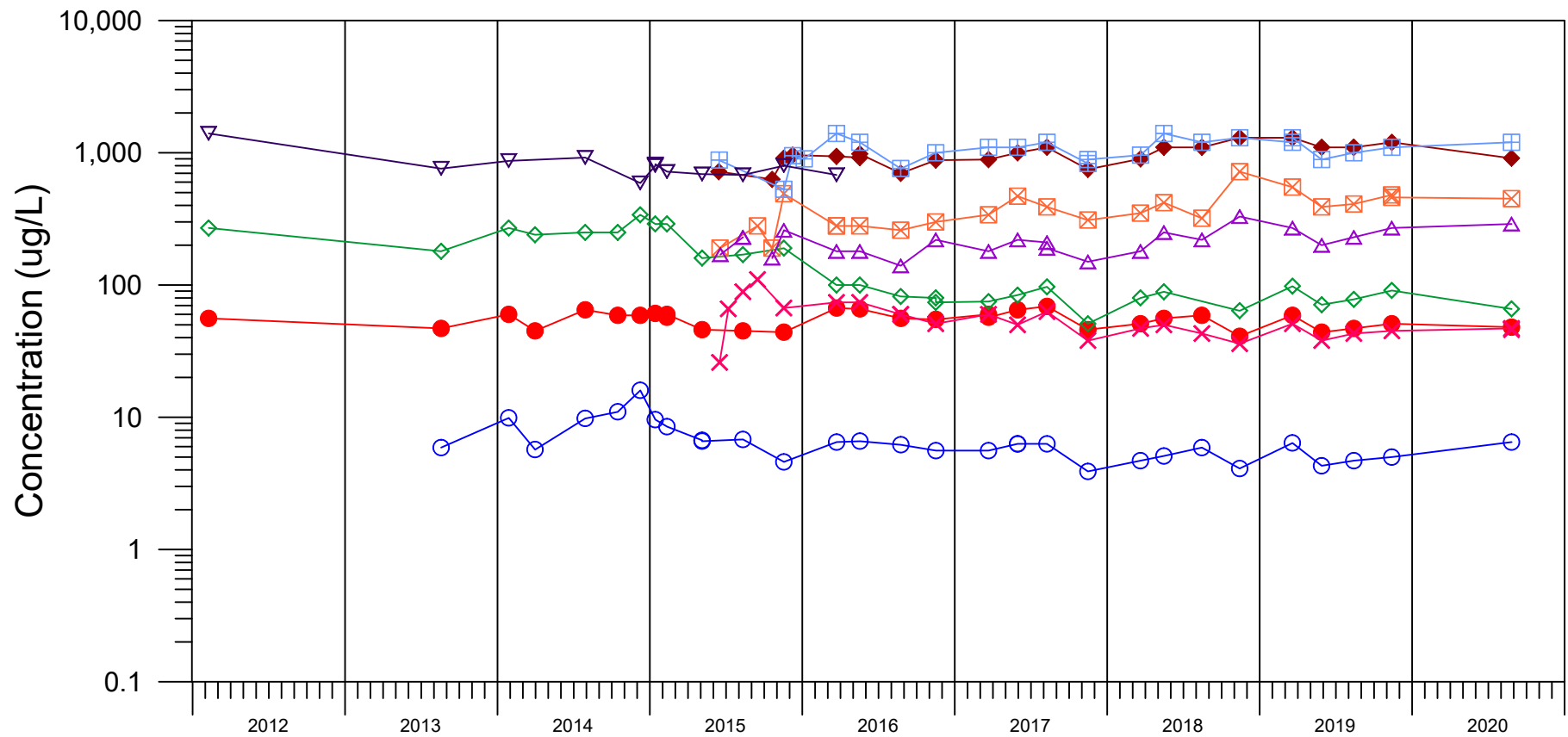


FIGURE 4-32

CONCENTRATIONS OF 1,4-DIOXANE IN EXTRACTION WELLS EW-1 THROUGH EW-8 AND LEACHATE COLLECTION TANK

Dewey Loeffel Landfill Superfund Site
Nassau, New York

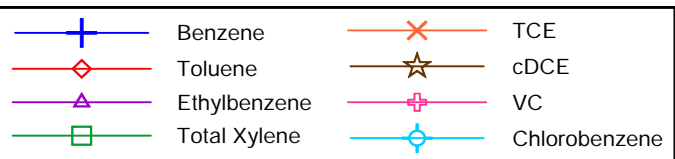
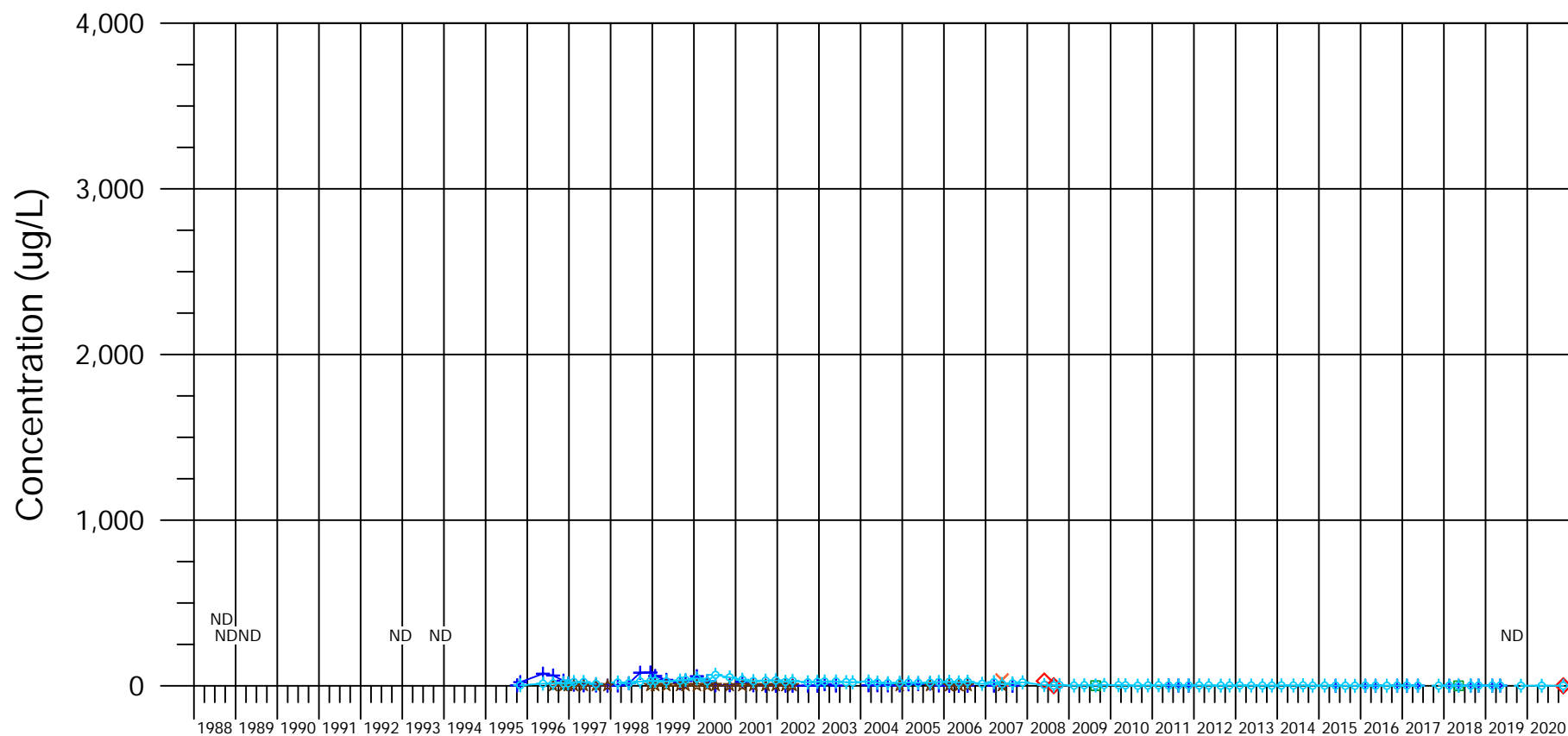


1. For clarity, non-detects are not shown.
2. 1,4-Dioxane was detected at an anomalously low estimated concentration of 0.042 $\mu\text{g/L}$ in EW-5 on September 16, 2015.
3. The leachate collection tank has not been sampled since March 2016 due to low water levels in the Landfill.

FIGURE 4-33a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 1

Dewey Loeffel Landfill Superfund Site
Nassau, New York

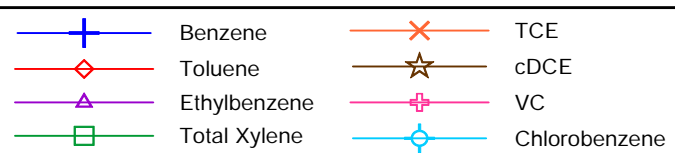
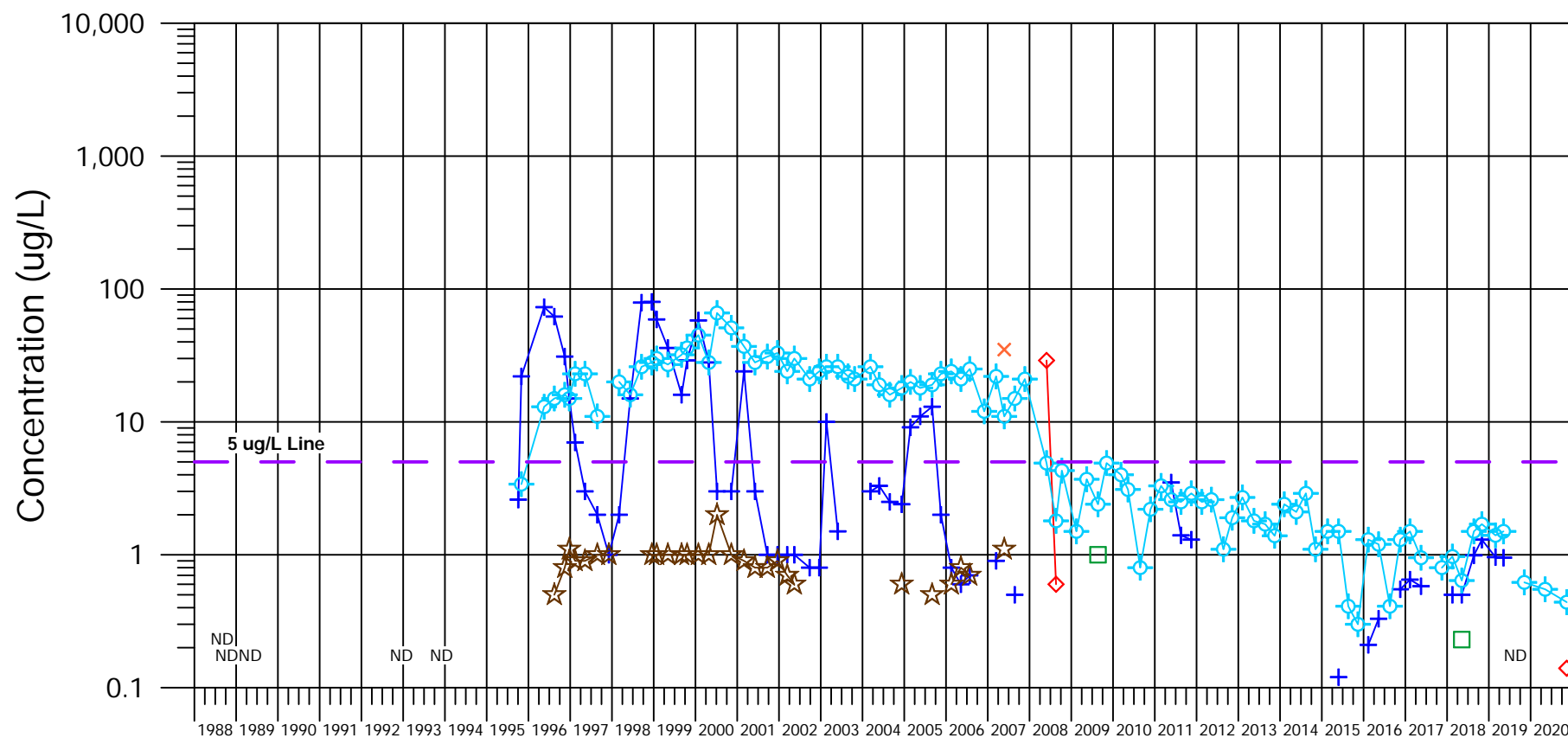


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.

FIGURE 4-33b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 1

Dewey Loeffel Landfill Superfund Site
Nassau, New York

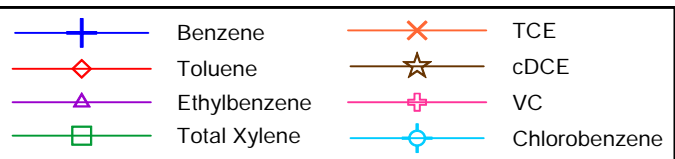
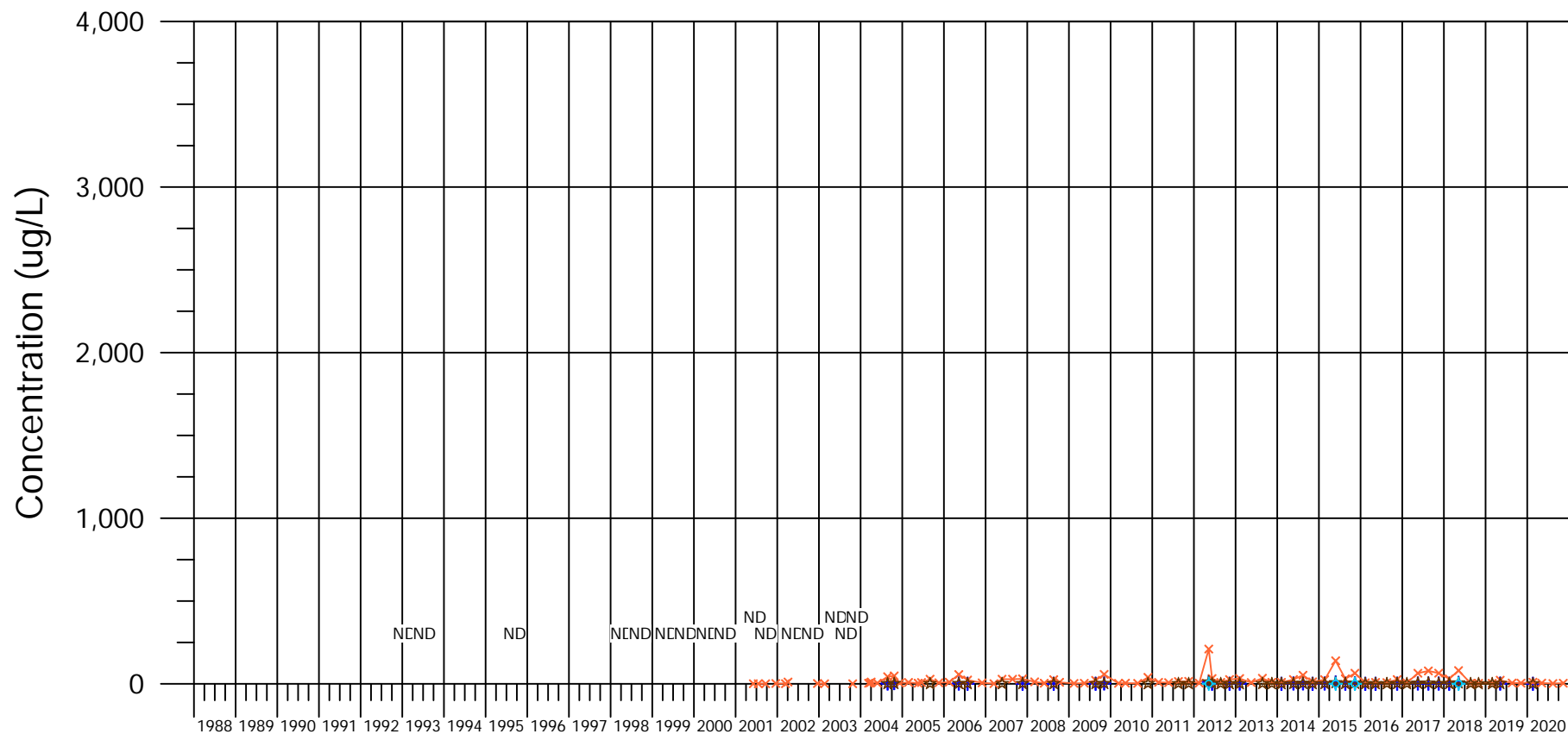


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.

FIGURE 4-34a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 23

Dewey Loeffel Landfill Superfund Site
Nassau, New York

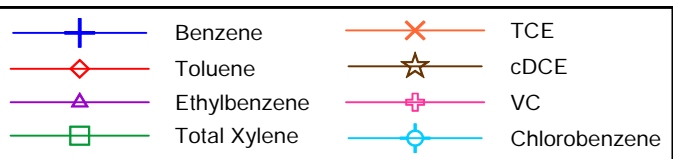
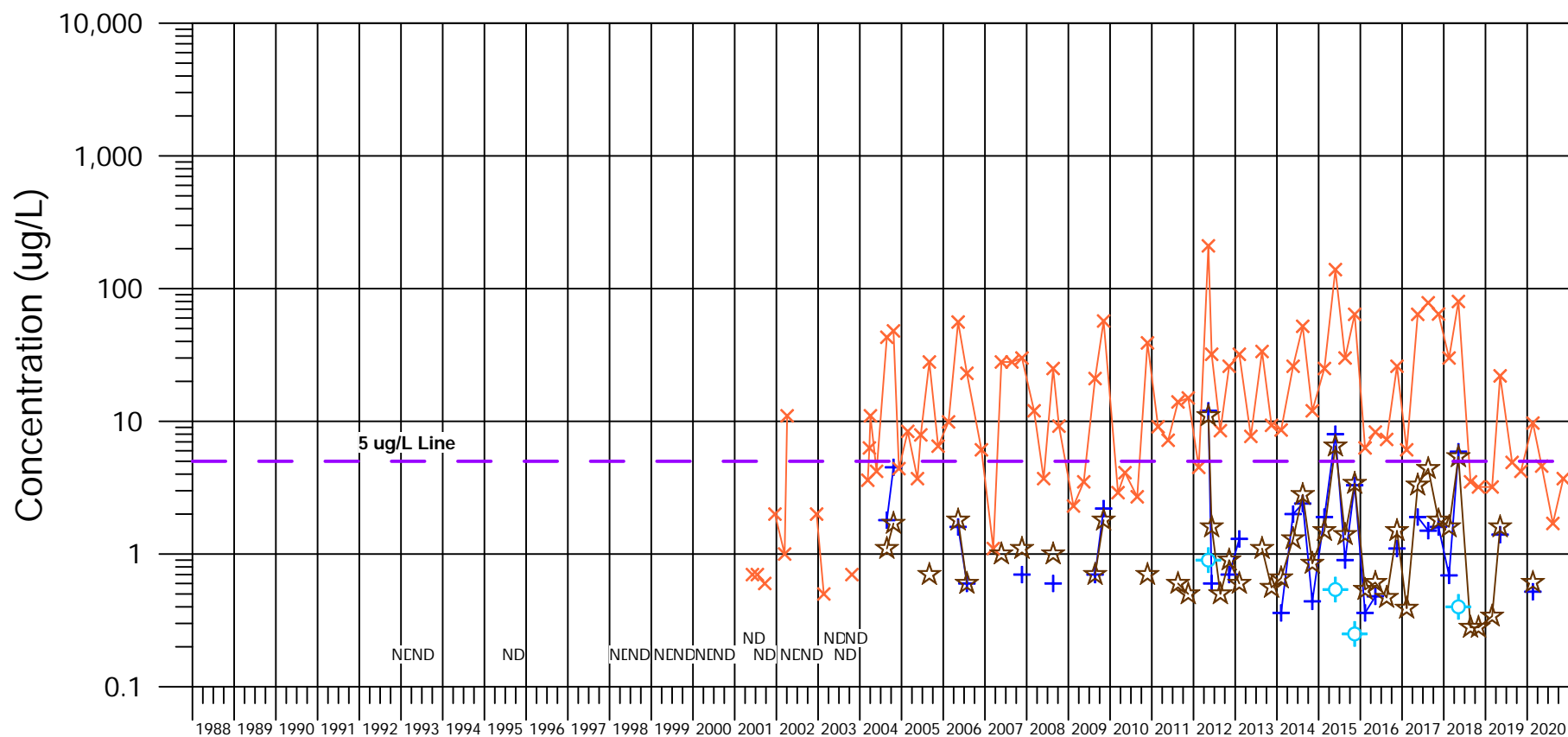


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Anomalous result obtained on May 9, 2012 was not confirmed by resampling on June 7, 2012.

FIGURE 4-34b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 23

Dewey Loeffel Landfill Superfund Site
Nassau, New York

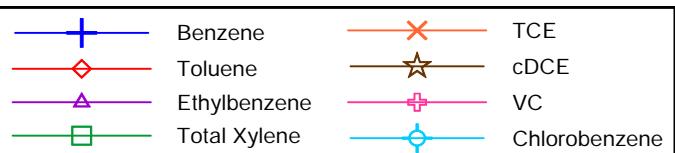
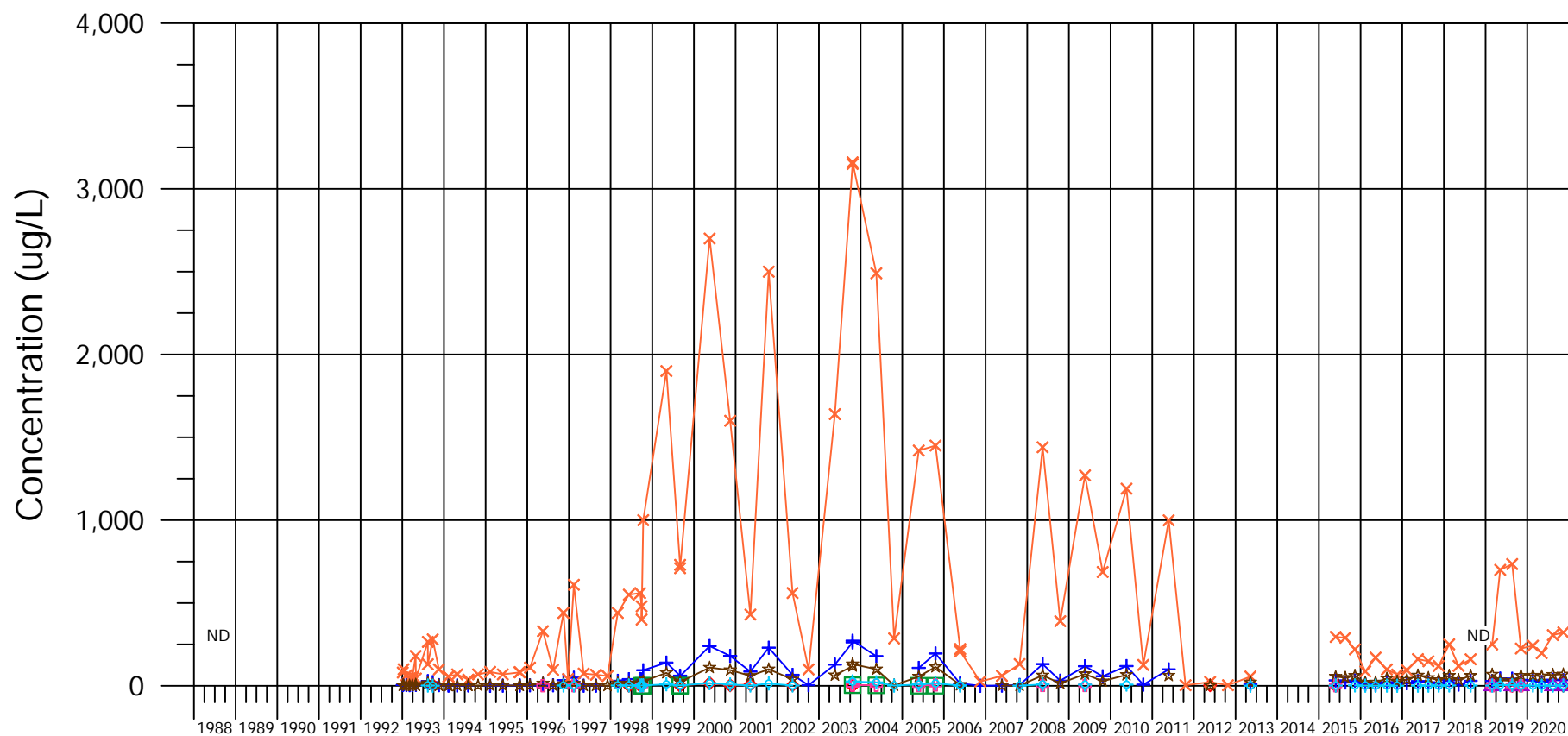


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Anomalous result obtained on May 9, 2012 was not confirmed by resampling on June 7, 2012.

FIGURE 4-35a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24S

Dewey Loeffel Landfill Superfund Site
Nassau, New York

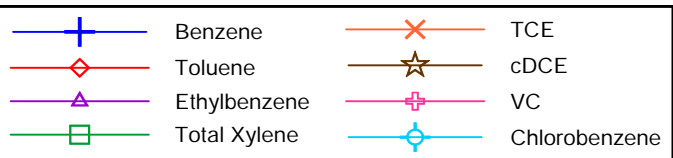
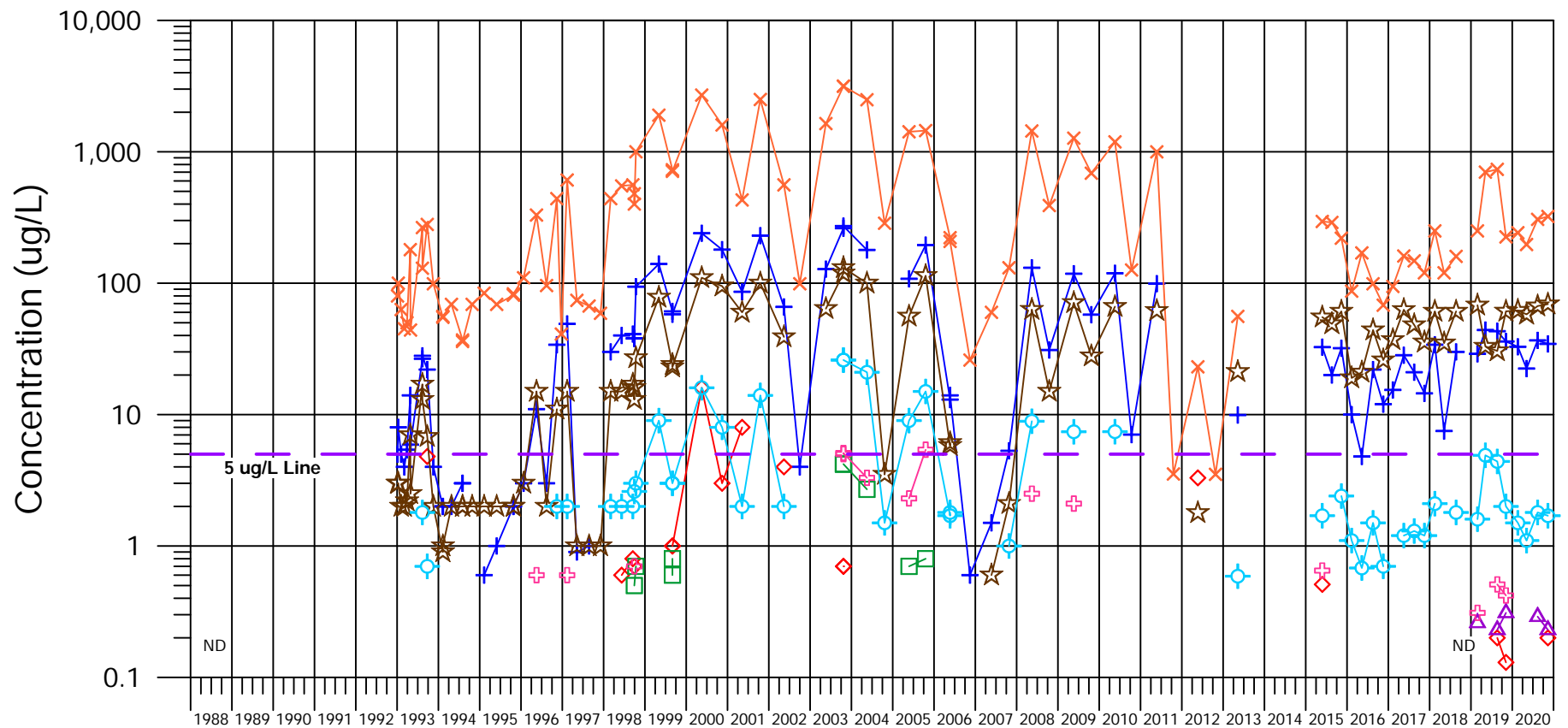


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Well 24S was also sampled on June 16, 1981. The eight constituents at left were not detected.
5. On October 2, 1998, well 24S was shut down and well 24D was placed into operation.
6. Well 24S was not sampled in the second half of 2013 or in 2014.

FIGURE 4-35b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24S

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Well 24S was also sampled on June 16, 1981. The eight constituents at left were not detected.
5. On October 2, 1998, well 24S was shut down and well 24D was placed into operation.
6. Well 24S was not sampled in the second half of 2013 or in 2014.

FIGURE 4-36a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24D

Dewey Loeffel Landfill Superfund Site
Nassau, New York

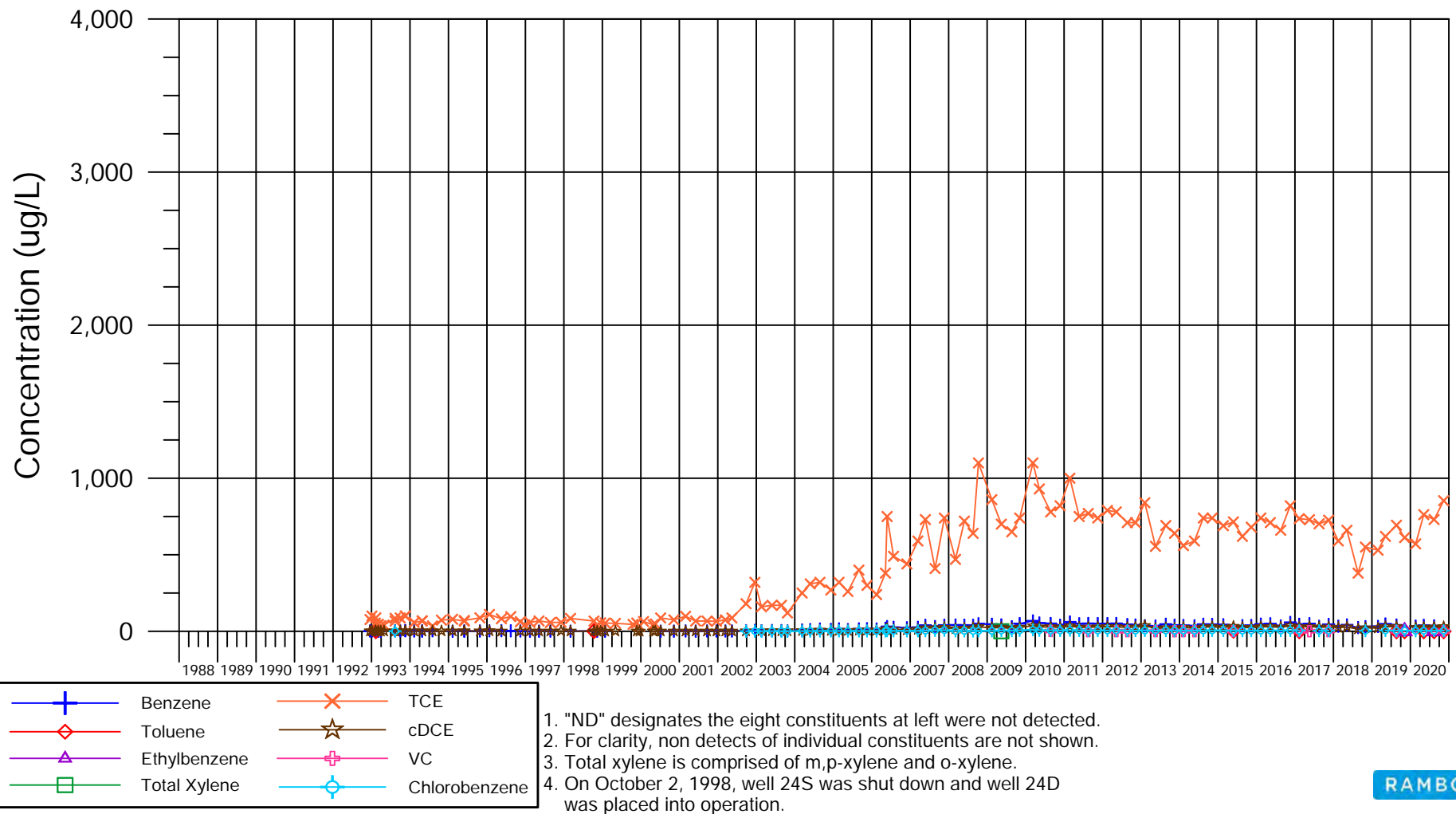
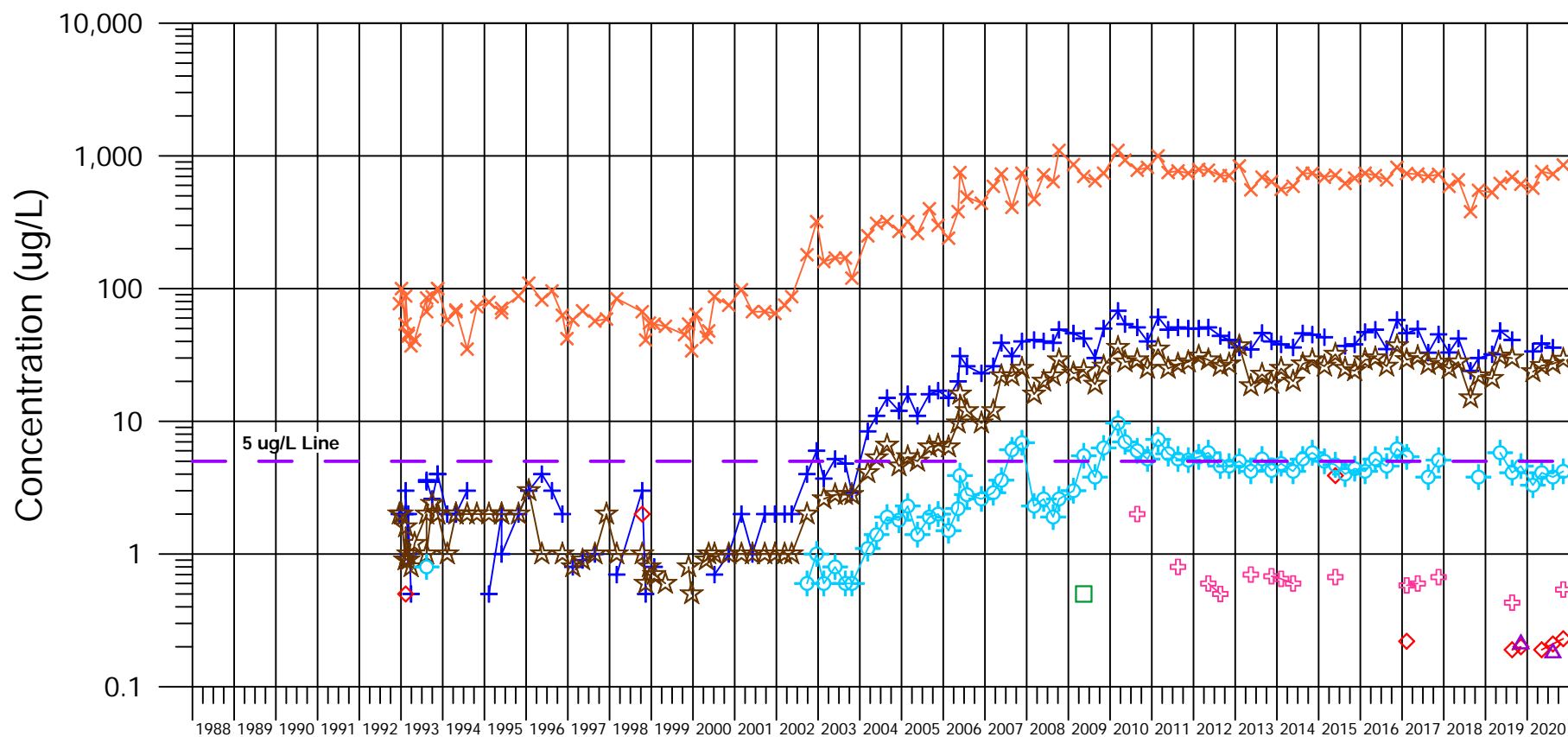


FIGURE 4-36b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24D

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. On October 2, 1998, well 24S was shut down and well 24D was placed into operation.

FIGURE 4-37a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 25

Dewey Loeffel Landfill Superfund Site
Nassau, New York

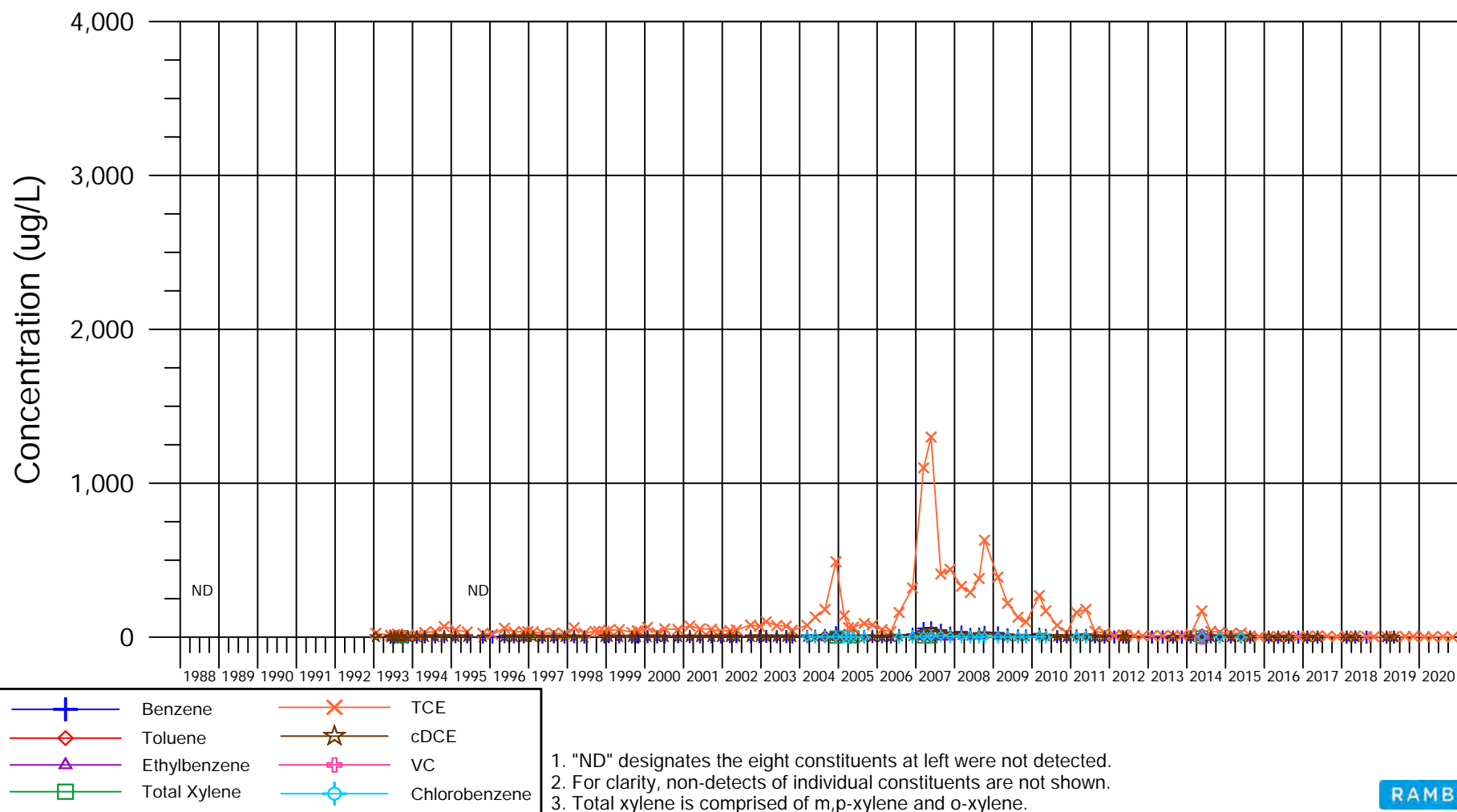
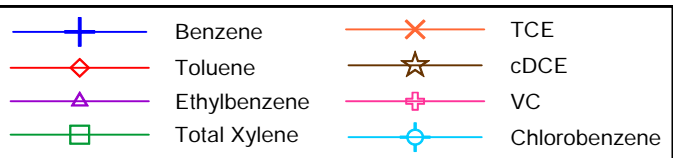
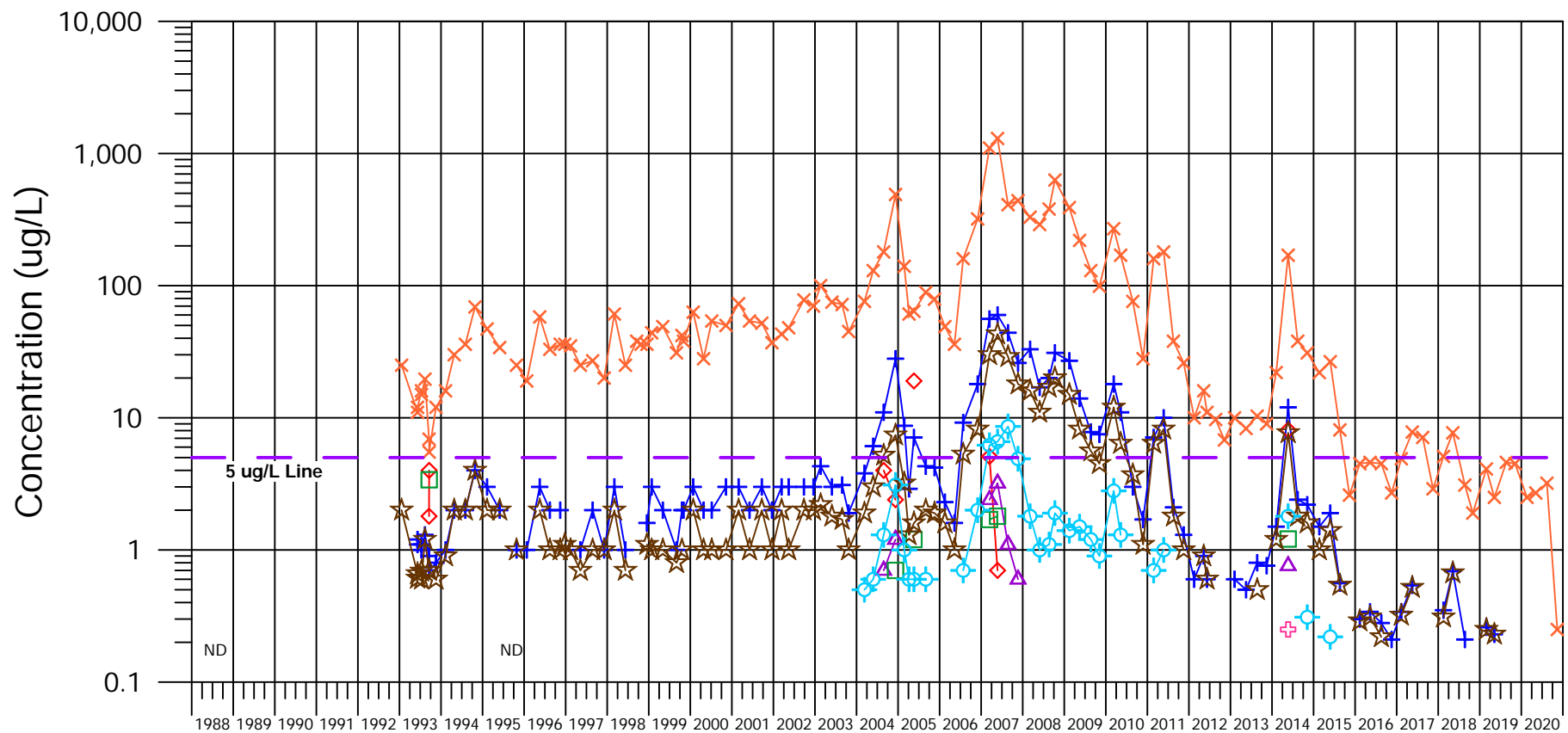


FIGURE 4-37b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 25

Dewey Loeffel Landfill Superfund Site
Nassau, New York

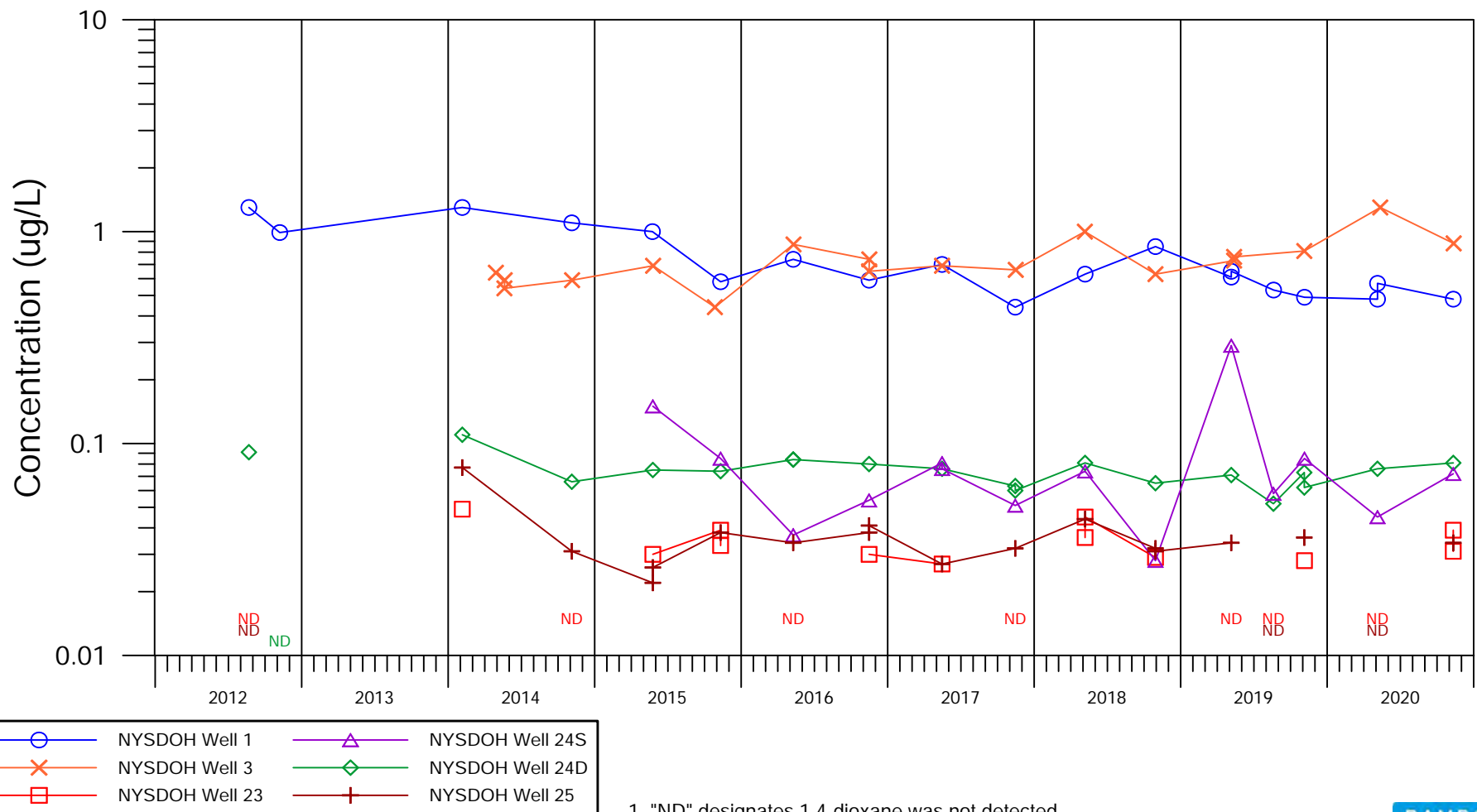


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.

FIGURE 4-38

CONCENTRATIONS OF 1,4 DIOXANE AT NYSDOH WELLS 1, 3, 23, 24S, 24D AND 25

Dewey Loeffel Landfill Superfund Site
Nassau, New York



APPENDICES

APPENDIX A

QUARTERLY FLUID LEVEL MEASUREMENTS

Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements
March 5, 2020

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Cut-Off Wall							
GMW-1D	Overburden	641.03	638.5	24.39	616.64	--	--
GMW-10B	Overburden	641.29	639.2	Dry	NA	--	--
GMW-11B	Overburden	645.55	644.1	17.72	627.83	--	--
PO-1	Overburden	649.83	646.7	25.52	624.31	--	--
PO-2	Overburden	643.41	640.8	20.80	622.61	--	--
PO-3	Overburden	644.47	641.5	Dry	NA	--	--
PO-4	Overburden	642.40	639.9	Dry	NA	--	--
PW-4	Overburden	642.56	640.6	22.96	619.60	--	--
14C	Overburden	652.09	650.0	21.47	630.62	--	--
14F	Overburden	648.06	647.9	14.29	633.77	--	--
DB-1S	Overburden	643.85	641.6	23.55**	620.30**	NA	NA
DB-2S	Overburden	643.65	641.2	Dry	NA	0.60**	24.00**
DB-3S	Overburden	642.36	640.7	23.30**	619.59**	0.58**	22.72**
DB-4S	Overburden	644.09	642.0	25.53**	619.59**	1.14**	24.39**
DB-5S	Overburden	644.26	640.7	Dry	NA	7.15**	18.15**
DB-6S	Overburden	641.77	640.7	*	NA	NA	*
DB-7S	Overburden	643.58	641.3	Dry	NA	--	--
OB-1	Overburden	650.59	648.0	18.52	632.07	--	--
OB-2	Overburden	651.25	648.3	18.83	632.42	--	--
OB-3	Overburden	650.38	647.6	18.10	632.28	--	--
OB-4	Overburden	641.46	639.2	22.12	619.34	--	--
OB-5	Overburden	642.08	640.1	23.13	618.95	--	--
OB-6	Overburden	642.59	640.2	24.62	617.97	--	--
PTW-1	Overburden	642.29	639.2	23.92	618.37	--	--
PTW-2	Overburden	643.71	640.9	23.79	619.92	--	--
S-1	Overburden	648.65	647.3	16.12	632.53	--	--
T-1	Overburden	650.53	647.7	18.05	632.48	--	--
T-2	Overburden	650.41	648.1	Dry	NA	--	--
DB-1I	Shallow Bedrock	642.79	641.1	26.47	616.32	--	--
DB-2I	Shallow Bedrock	642.13	641.1	22.72	619.41	--	--
DB-3I	Shallow Bedrock	642.06	640.3	23.38	618.68	--	--
DB-4I	Shallow Bedrock	642.10	641.1	24.30	617.80	--	--
DB-5I	Shallow Bedrock	641.84	640.6	22.12	619.72	--	--
DB-6I	Shallow Bedrock	642.06	640.4	22.80	619.26	--	--
DB-7I	Shallow Bedrock	643.28	641.3	60.81	582.47	--	--
Monitoring Wells Inside Fence But Outside Cut-Off Wall							
LFMW-19S***	Overburden	646.11	643.6	11.96**	637.01**	3.15**	8.81**
GMW-11	Overburden	639.68	637.5	3.52	636.16	--	--
GMW-2B	Overburden	639.52	637.8	21.63	617.89	--	--
GMW-1C	Overburden	625.40	622.1	5.73	619.67	--	--
PW-1	Overburden	641.78	638.6	*	NA	--	--
PW-2	Overburden	643.33	640.8	6.81	636.52	--	--
PW-3	Overburden	650.09	646.5	28.29	621.80	--	--
DB-8S	Overburden	642.81	640.9	12.90	629.91	--	--
DB-8I	Shallow Bedrock	641.91	640.6	53.71	588.20	--	--
GMW-1B	Shallow Bedrock	631.32	629.6	32.86	598.46	--	--
GMW-11A	Shallow Bedrock	638.61	636.4	11.81	626.80	--	--
GMW-12B	Shallow Bedrock	638.65	636.8	3.35	635.30	--	--
PB-1	Shallow Bedrock	641.93	639.4	64.13	577.80	--	--
PB-2	Shallow Bedrock	649.70	647.1	27.05	622.65	--	--

Notes:

- Elevations are in feet referenced to North American Vertical Datum of 1988.
- Depth to water and/or product provided in feet below measuring point.
- Product thickness provided in feet.
- "NA" designates not applicable.
- Water-level elevations corrected for monitoring wells with LNAPL product. Water-level elevations calculated by applying an LNAPL correction coefficient using the average specific gravity measured by PTS Laboratories, Inc. from DB-3S and LFMW-09S at 70°F.
- "***" designates measurement may not be reliable due to adhesion of product onto interface probe.
- "**" designates measurement not taken due to obstruction in well.
- "****" designates additional fluid level measurements collected to support the additional investigation near LFMW-19S for the Remedial Investigation/Feasibility Study.

Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements
June 15, 2020

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Cut-Off Wall							
GMW-1D	Overburden	641.03	638.5	26.42	614.61	--	--
GMW-10B	Overburden	641.29	639.2	Dry	NA	--	--
GMW-11B	Overburden	645.55	644.1	16.96	628.59	--	--
PO-1	Overburden	649.83	646.7	26.71	623.12	--	--
PO-2	Overburden	643.41	640.8	21.90	621.51	--	--
PO-3	Overburden	644.47	641.5	Dry	NA	--	--
PO-4	Overburden	642.40	639.9	Dry	NA	--	--
PW-4	Overburden	642.56	640.6	23.07	619.49	--	--
14C	Overburden	652.09	650.0	21.36	630.73	--	--
14F	Overburden	648.06	647.9	14.99	633.07	--	--
DB-1S	Overburden	643.85	641.6	23.51**	620.34**	NA	NA
DB-2S	Overburden	643.65	641.2	Dry	NA	0.66**	24.02**
DB-3S	Overburden	642.36	640.7	27.08**	617.69**	2.66**	24.42**
DB-4S	Overburden	644.09	642.0	25.54**	621.12**	2.83**	22.71**
DB-5S	Overburden	644.26	640.7	Dry	NA	0.18**	24.27**
DB-6S	Overburden	641.77	640.7	*	NA	NA	*
DB-7S	Overburden	643.58	641.3	Dry	NA	--	--
OB-1	Overburden	650.59	648.0	18.74	631.85	--	--
OB-2	Overburden	651.25	648.3	19.32	631.93	--	--
OB-3	Overburden	650.38	647.6	18.51	631.87	--	--
OB-4	Overburden	641.46	639.2	22.14	619.32	--	--
OB-5	Overburden	642.08	640.1	23.28	618.80	--	--
OB-6	Overburden	642.59	640.2	23.84	618.75	--	--
PTW-1	Overburden	642.29	639.2	23.01	619.28	--	--
PTW-2	Overburden	643.71	640.9	24.91	618.80	--	--
S-1	Overburden	648.65	647.3	16.77	631.88	--	--
T-1	Overburden	650.53	647.7	18.81	631.72	--	--
T-2	Overburden	650.41	648.1	18.54	631.87	--	--
DB-1I	Shallow Bedrock	642.79	641.1	26.33	616.46	--	--
DB-2I	Shallow Bedrock	642.13	641.1	22.67	619.46	--	--
DB-3I	Shallow Bedrock	642.06	640.3	23.28	618.78	--	--
DB-4I	Shallow Bedrock	642.10	641.1	24.28	617.82	--	--
DB-5I	Shallow Bedrock	641.84	640.6	22.07	619.77	--	--
DB-6I	Shallow Bedrock	642.06	640.4	22.78	619.28	--	--
DB-7I	Shallow Bedrock	643.28	641.3	52.16	591.12	--	--
Monitoring Wells Inside Fence But Outside Cut-Off Wall							
LFMW-19S***	Overburden	646.11	643.6	13.53**	635.39**	3.10**	10.43**
GMW-11	Overburden	639.68	637.5	7.21	632.47	--	--
GMW-2B	Overburden	639.52	637.8	22.34	617.18	--	--
GMW-1C	Overburden	625.40	622.1	9.46	615.94	--	--
PW-1	Overburden	641.78	638.6	*	NA	--	--
PW-2	Overburden	643.33	640.8	10.87	632.46	--	--
PW-3	Overburden	650.09	646.5	29.48	620.61	--	--
DB-8S	Overburden	642.81	640.9	13.85	628.96	--	--
DB-8I	Shallow Bedrock	641.91	640.6	53.81	588.10	--	--
GMW-1B	Shallow Bedrock	631.32	629.6	33.51	597.81	--	--
GMW-11A	Shallow Bedrock	638.61	636.4	12.24	626.37	--	--
GMW-12B	Shallow Bedrock	638.65	636.8	3.45	635.20	--	--
PB-1	Shallow Bedrock	641.93	639.4	64.19	577.74	--	--
PB-2	Shallow Bedrock	649.70	647.1	27.83	621.87	--	--

Notes:

- Elevations are in feet referenced to North American Vertical Datum of 1988.
- Depth to water and/or product provided in feet below measuring point.
- Product thickness provided in feet.
- "NA" designates not applicable.
- Water-level elevations corrected for monitoring wells with LNAPL product. Water-level elevations calculated by applying an LNAPL correction coefficient using the average specific gravity measured by PTS Laboratories, Inc. from DB-3S and LFMW-09S at 70°F.
- *** designates measurement may not be reliable due to adhesion of product onto interface probe.
- ** designates measurement not taken due to obstruction in well.
- **** designates additional fluid level measurements collected to support the additional investigation near LFMW-19S for the Remedial Investigation/Feasibility Study.

**Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements
August 24, 2020**

**Dewey Loeffel Landfill Superfund Site
Nassau, New York**

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Cut-Off Wall							
GMW-1D	Overburden	641.03	638.5	28.07	612.96	--	--
GMW-10B	Overburden	641.29	639.2	Dry	NA	--	--
GMW-11B	Overburden	645.55	644.1	17.84	627.71	--	--
PO-1	Overburden	649.83	646.7	27.03	622.80	--	--
PO-2	Overburden	643.41	640.8	20.95	622.46	--	--
PO-3	Overburden	644.47	641.5	Dry	NA	--	--
PO-4	Overburden	642.40	639.9	Dry	NA	--	--
PW-4	Overburden	642.56	640.6	23.16	619.40	--	--
14C	Overburden	652.09	650.0	21.79	630.30	--	--
14F	Overburden	648.06	647.9	15.20	632.86	--	--
DB-1S	Overburden	643.85	641.6	23.53**	620.32**	NA	NA
DB-2S	Overburden	643.65	641.2	Dry	NA	0.46**	24.34**
DB-3S	Overburden	642.36	640.7	24.40**	619.28**	1.45**	22.95**
DB-4S	Overburden	644.09	642.0	25.46**	619.23**	0.66**	24.80**
DB-5S	Overburden	644.26	640.7	Dry	NA	0.07**	24.33**
DB-6S	Overburden	641.77	640.7	*	NA	NA	*
DB-7S	Overburden	643.58	641.3	Dry	NA	--	--
OB-1	Overburden	650.59	648.0	19.04	631.55	--	--
OB-2	Overburden	651.25	648.3	19.64	631.61	--	--
OB-3	Overburden	650.38	647.6	18.82	631.56	--	--
OB-4	Overburden	641.46	639.2	22.27	619.19	--	--
OB-5	Overburden	642.08	640.1	23.10	618.98	--	--
OB-6	Overburden	642.59	640.2	23.92	618.67	--	--
PTW-1	Overburden	642.29	639.2	23.10	619.19	--	--
PTW-2	Overburden	643.71	640.9	25.00	618.71	--	--
S-1	Overburden	648.65	647.3	17.10	631.55	--	--
T-1	Overburden	650.53	647.7	19.09	631.44	--	--
T-2	Overburden	650.41	648.1	18.84	631.57	--	--
DB-1I	Shallow Bedrock	642.79	641.1	26.61	616.18	--	--
DB-2I	Shallow Bedrock	642.13	641.1	22.99	619.14	--	--
DB-3I	Shallow Bedrock	642.06	640.3	23.52	618.54	--	--
DB-4I	Shallow Bedrock	642.10	641.1	24.47	617.63	--	--
DB-5I	Shallow Bedrock	641.84	640.6	22.45	619.39	--	--
DB-6I	Shallow Bedrock	642.06	640.4	23.04	619.02	--	--
DB-7I	Shallow Bedrock	643.28	641.3	58.44	584.84	--	--
LFMW-01S***	Overburden	642.96	640.2	25.03**	619.89**	2.16**	22.87**
LFMW-01I***	Overburden	642.69	640.3	23.92	618.77	--	--
LFMW-01D***	Overburden	642.80	640.2	30.74	612.06	--	--
LFMW-02S***	Overburden	641.87	639.6	22.99	618.88	--	--
LFMW-02I***	Overburden	642.14	639.7	23.21	618.93	--	--
LFMW-02D***	Overburden	641.85	639.3	44.06	597.79	--	--
LFMW-03S***	Overburden	642.95	640.7	22.98	619.97	--	--
LFMW-04S***	Overburden	655.25	652.7	25.43	629.82	--	--
LFMW-04I***	Overburden	654.90	652.4	25.14	629.76	--	--
LFMW-05S***	Overburden	644.11	641.3	25.07	619.04	--	--
LFMW-05I***	Overburden	644.20	641.7	25.60	618.60	--	--
LFMW-06S***	Overburden	642.64	639.8	*	NA	NA	*
LFMW-06I***	Overburden	642.55	639.9	25.75	616.80	--	--
LFMW-07S***	Overburden	644.62	641.6	16.76	627.86	--	--
LFMW-08S***	Overburden	643.56	641.1	24.64	618.92	--	--
LFMW-08I***	Overburden	643.50	641.0	41.01	602.49	--	--
LFMW-09S***	Overburden	654.45	651.8	21.75**	633.45**	0.83**	20.92**
LFMW-10S***	Overburden	653.41	650.9	Dry	NA	--	--
LFMW-11S***	Overburden	650.74	648.1	16.60	634.14	--	--
LFMW-12S***	Overburden	648.95	647.5	21.50	627.45	--	--
LFMW-12I***	Overburden	649.08	647.4	29.01	620.07	--	--

**Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements
August 24, 2020**

**Dewey Loeffel Landfill Superfund Site
Nassau, New York**

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Fence But Outside Cut-Off Wall							
LFMW-19S***	Overburden	646.11	643.6	15.64**	633.90**	3.78**	11.86**
GMW-11	Overburden	639.68	637.5	8.61	631.07	--	--
GMW-2B	Overburden	639.52	637.8	22.91	616.61	--	--
GMW-1C	Overburden	625.40	622.1	11.35	614.05	--	--
PW-1	Overburden	641.78	638.6	*	NA	--	--
PW-2	Overburden	643.33	640.8	12.36	630.97	--	--
PW-3	Overburden	650.09	646.5	29.72	620.37	--	--
DB-8S	Overburden	642.81	640.9	15.86	626.95	--	--
DB-8I	Shallow Bedrock	641.91	640.6	54.00	587.91	--	--
GMW-1B	Shallow Bedrock	631.32	629.6	34.63	596.69	--	--
GMW-11A	Shallow Bedrock	638.61	636.4	12.80	625.81	--	--
GMW-12B	Shallow Bedrock	638.65	636.8	4.58	634.07	--	--
PB-1	Shallow Bedrock	641.93	639.4	64.38	577.55	--	--
PB-2	Shallow Bedrock	649.70	647.1	28.43	621.27	--	--

Notes:

- Elevations are in feet referenced to North American Vertical Datum of 1988.
- Depth to water and/or product provided in feet below measuring point.
- Product thickness provided in feet.
- "NA" designates not applicable.
- Water-level elevations corrected for monitoring wells with LNAPL product. Water-level elevations calculated by applying an LNAPL correction coefficient using the average specific gravity measured by PTS Laboratories, Inc. from DB-3S and LFMW-09S at 70°F.
- *** designates measurement may not be reliable due to adhesion of product onto interface probe.
- *** designates measurement not taken due to obstruction in well.
- ***** designates additional fluid level measurements collected to support the Treatability Testing and additional investigation near LFMW-19S performed under the Remedial Investigation/Feasibility Study.

**Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements
November 9, 2020**

**Dewey Loeffel Landfill Superfund Site
Nassau, New York**

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Cut-Off Wall							
GMW-1D	Overburden	641.03	638.5	28.19	612.84	--	--
GMW-10B	Overburden	641.29	639.2	Dry	NA	--	--
GMW-11B	Overburden	645.55	644.1	18.19	627.36	--	--
PO-1	Overburden	649.83	646.7	26.35	623.48	--	--
PO-2	Overburden	643.41	640.8	21.00	622.41	--	--
PO-3	Overburden	644.47	641.5	8.47	636.00	--	--
PO-4	Overburden	642.40	639.9	Dry	NA	--	--
PW-4	Overburden	642.56	640.6	23.06	619.50	--	--
14C	Overburden	652.09	650.0	22.41	629.68	--	--
14F	Overburden	648.06	647.9	15.46	632.60	--	--
DB-1S	Overburden	643.85	641.6	23.61**	620.24**	NA	NA
DB-2S	Overburden	643.65	641.2	Dry	NA	NA	NA
DB-3S	Overburden	642.36	640.7	26.77**	619.04**	3.80**	22.97**
DB-4S	Overburden	644.09	642.0	24.86**	619.33**	0.11**	24.75**
DB-5S	Overburden	644.26	640.7	Dry	NA	NA	NA
DB-6S	Overburden	641.77	640.7	*	NA	NA	*
DB-7S	Overburden	643.58	641.3	Dry	NA	--	--
OB-1	Overburden	650.59	648.0	19.19	631.40	--	--
OB-2	Overburden	651.25	648.3	19.76	631.49	--	--
OB-3	Overburden	650.38	647.6	18.15	632.23	--	--
OB-4	Overburden	641.46	639.2	22.52	618.94	--	--
OB-5	Overburden	642.08	640.1	23.68	618.40	--	--
OB-6	Overburden	642.59	640.2	24.23	618.36	--	--
PTW-1	Overburden	642.29	639.2	23.42	618.87	--	--
PTW-2	Overburden	643.71	640.9	25.20	618.51	--	--
S-1	Overburden	648.65	647.3	17.22	631.43	--	--
T-1	Overburden	650.53	647.7	19.12	631.41	--	--
T-2	Overburden	650.41	648.1	19.00	631.41	--	--
DB-1I	Shallow Bedrock	642.79	641.1	26.91	615.88	--	--
DB-2I	Shallow Bedrock	642.13	641.1	23.19	618.94	--	--
DB-3I	Shallow Bedrock	642.06	640.3	23.80	618.26	--	--
DB-4I	Shallow Bedrock	642.10	641.1	24.76	617.34	--	--
DB-5I	Shallow Bedrock	641.84	640.6	22.64	619.20	--	--
DB-6I	Shallow Bedrock	642.06	640.4	23.28	618.78	--	--
DB-7I	Shallow Bedrock	643.28	641.3	52.61	590.67	--	--
LFMW-01S***	Overburden	642.96	640.2	24.15	618.81	--	--
LFMW-01I***	Overburden	642.69	640.3	25.51**	618.11**	1.03**	24.48**
LFMW-01D***	Overburden	642.80	640.2	30.85	611.95	--	--
LFMW-02S***	Overburden	641.87	639.6	23.19	618.68	--	--
LFMW-02I***	Overburden	642.14	639.7	23.49	618.65	--	--
LFMW-02D***	Overburden	641.85	639.3	44.16	597.69	--	--
LFMW-03S***	Overburden	642.95	640.7	13.26	629.69	--	--
LFMW-04S***	Overburden	655.25	652.7	25.91	629.34	--	--
LFMW-04I***	Overburden	654.90	652.4	25.64	629.26	--	--
LFMW-05S***	Overburden	644.11	641.3	25.40	618.71	--	--
LFMW-05I***	Overburden	644.20	641.7	26.41	617.79	--	--
LFMW-06S***	Overburden	642.64	639.8	*	NA	NA	*
LFMW-06I***	Overburden	642.55	639.9	23.57	618.98	--	--
LFMW-07S***	Overburden	644.62	641.6	17.37	627.25	--	--
LFMW-08S***	Overburden	643.56	641.1	25.84	617.72	--	--
LFMW-08I***	Overburden	643.50	641.0	41.13	602.37	--	--
LFMW-09S***	Overburden	654.45	651.8	22.44**	633.00**	1.09**	21.35**
LFMW-10S***	Overburden	653.41	650.9	Dry	NA	--	--
LFMW-11S***	Overburden	650.74	648.1	17.11**	634.53**	0.99**	16.12**
LFMW-12S***	Overburden	648.95	647.5	21.85	627.10	--	--
LFMW-12I***	Overburden	649.08	647.4	29.25	619.83	--	--

**Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements
November 9, 2020**

**Dewey Loeffel Landfill Superfund Site
Nassau, New York**

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Fence But Outside Cut-Off Wall							
LFMW-19S***	Overburden	646.11	643.6	10.49**	635.94**	0.35**	10.14**
GMW-11	Overburden	639.68	637.5	6.23	633.45	--	--
GMW-2B	Overburden	639.52	637.8	23.10	616.42	--	--
GMW-1C	Overburden	625.40	622.1	10.41	614.99	--	--
PW-1	Overburden	641.78	638.6	*	NA	--	--
PW-2	Overburden	643.33	640.8	9.83	633.50	--	--
PW-3	Overburden	650.09	646.5	28.88	621.21	--	--
DB-8S	Overburden	642.81	640.9	16.18	626.63	--	--
DB-8I	Shallow Bedrock	641.91	640.6	54.14	587.77	--	--
GMW-1B	Shallow Bedrock	631.32	629.6	35.09	596.23	--	--
GMW-11A	Shallow Bedrock	638.61	636.4	12.80	625.81	--	--
GMW-12B	Shallow Bedrock	638.65	636.8	4.82	633.83	--	--
PB-1	Shallow Bedrock	641.93	639.4	64.39	577.54	--	--
PB-2	Shallow Bedrock	649.70	647.1	28.36	621.34	--	--

Notes:

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water and/or product provided in feet below measuring point.
3. Product thickness provided in feet.
4. "NA" designates not applicable.
5. Water-level elevations corrected for monitoring wells with LNAPL product. Water-level elevations calculated by applying an LNAPL correction coefficient using the average specific gravity measured by PTS Laboratories, Inc. from DB-3S and LFMW-09S at 70°F.
6. "***" designates measurement may not be reliable due to adhesion of product onto interface probe.
7. "**" designates measurement not taken due to obstruction in well.
8. "****" designates additional fluid level measurements collected to support the Treatability Testing and additional investigation near LFMW-19S performed under the Remedial Investigation/Feasibility Study.

APPENDIX B

HISTORICAL GROUNDWATER DATA

Summary Table Notes

Dewey Loeffel Landfill Superfund Site Nassau, New York

1. Results are in micrograms per liter ($\mu\text{g/L}$).
2. The tables in this appendix show volatile organic compound (VOC), semi-volatile organic compound (SVOC) and dissolved gas concentrations for those compounds that have been detected at least once for each well, and all reported concentrations for polychlorinated biphenyls (PCBs).
3. "---" designates not analyzed.
4. "AD" designates Arcolor 1242 is being reported as the best Aroclor match. The samples exhibits an altered PCB pattern.
5. "B" designates a contaminated field/trip/method blank.
6. "C" designates instrument calibration or resolution problems.
7. "D" designates result was identified at a secondary dilution.
8. "E" designates the compound exceeds the calibration value.
9. "H" designates the sample was analyzed outside of method holding time.
10. "J" designates the result is considered estimated.
11. "PB" designates Aroclor 1221 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1221 is not present in the sample, but is reported to more accurately quantify PCBs present in the sample that have undergone environmental alteration.
12. "Q" unknown qualifier definition.
13. "R" designates result is rejected.
14. "S" designates surrogate or matrix spike problems.
15. "T" designates sample was analyzed outside of holding time.
16. "U" designates the compound was not detected at the practical quantitation limit shown.
17. "UJ" designates the compound was not detected at the estimated practical quantitation limit shown.
18. "X" unknown qualifier definition.

Historical Detected Concentrations in EPA-1A

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/13/2020	6/19/2020	10/9/2019	5/17/2019	10/10/2018	5/30/2018	9/28/2017
1,1-Dichloroethane	10	8.6	8	8	8	7	6
1,1-Dichloroethene	7.7	7.4	5	6	6	4 J	3
1,2-Dichloroethane	22	21	22	19	26	21	18
1,4-Dioxane	0.48	---	1	---	0.4	0.7	0.46
2-Butanone	3.5 J	20 U	20 U	3 J	8 J	50 U	11 J
Acetone	0.84 J	40 U	40 U	40 U	2 J	100 U	40 U
Benzene	8.5	8.3	11	15	18	19	25
Chlorobenzene	14	13	12	12	11	10	8
Chloroethane	1.7	1.5 J	1 J	1 J	1 J	5 U	2 U
cis-1,2-Dichloroethene	300	320	280	270	230	210	65
Methane	---	---	---	---	---	---	22
Methylene Chloride	0.94 JJ	2.0 U	2 U	0.9 J	2 J	5 U	1 J
Tetrachloroethene	3.6	3.9	3	3	3	5 U	2 J
Toluene	1.5	1.5 J	2	3	6	10	31
trans-1,2-Dichloroethene	0.85 J	1.6 J	3	0.9 J	0.6 J	3 J	2 U
Trichloroethene	1800	1800	1500	1700	1500	1400	1200
Vinyl Chloride	1.2	0.84 J	0.8 J	1 J	1 J	5 U	2 U

Historical Detected Concentrations in EPA-1B

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/13/2020	6/19/2020	10/9/2019	5/17/2019	10/10/2018	5/30/2018	9/28/2017
1,1-Dichloroethane	5.4	5.1	4	4	4	4	2
1,1-Dichloroethene	6.2	6.5	5	5	4	3	2
1,2-Dichloroethane	12	12	13	11	14	11	6
1,4-Dioxane	0.38	---	0.2 J	---	0.2 J	0.9	0.13 J
2-Butanone	10 U	10 U	10 U	10 U	4 J	20 U	10 U
Acetone	20 U	20 U	20 U	20 U	4 J	40 U	20 U
Benzene	54	56	51	52	43	46	33
Chlorobenzene	8.6	8.5	8	8	6	6	4
Chloroethane	1.3	1.0 U	0.9 J	0.7 J	0.6 J	2 U	1 U
cis-1,2-Dichloroethene	720	730 J	590	380	270	230	27
Tetrachloroethene	0.75 J	1.1	1	2	2 J	2 J	1
Toluene	1.6	1.5	2	2	1 J	1 J	25
trans-1,2-Dichloroethene	2.3	2.5 J	2	0.9 J	2 U	2 J	1 U
Trichloroethene	410	440 J	470	720	800	680	560
Vinyl Chloride	1.1	0.83 J	0.9 J	0.8 J	0.8 J	2 U	1 U

Historical Detected Concentrations in EPA-1C

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/13/2020	6/19/2020	10/9/2019	5/17/2019	10/10/2018	5/30/2018	9/28/2017
1,1-Dichloroethane	3.6	3.2	3	3	3	3	0.8 J
1,1-Dichloroethene	5.7	6.1	5	4	3	3	1 U
1,2-Dichloroethane	9.7	10	11	10	10	7	3
1,4-Dioxane	1.0	---	0.3	---	0.3 J	0.5	0.46 J
2-Butanone	10 U	10 U	0.7 J	1 J	5 J	5 J	7 J
Acetone	20 U	20 U	20 U	20 U	4 J	20 U	20 U
Benzene	42	41	35	35	28	34	10
Chlorobenzene	6.4	5.7	5	5	4	4	0.9 J
Chloroethane	2.0	1.7	2	1	0.9 J	0.6 J	1 U
cis-1,2-Dichloroethene	830	870 J	830	650	430	340	9
Methane	---	---	---	---	---	---	6.4
Methylene Chloride	1.0 U	1.0 U	1 U	0.4 J	0.4 J	1 U	1 U
Tetrachloroethene	1.0 U	1.0 U	0.3 J	0.6 J	0.8 J	0.8 J	1 U
Toluene	2.4	2.3	3	3	3	3	37
trans-1,2-Dichloroethene	2.3	2.3 J	2	1	0.3 J	1 U	1 U
Trichloroethene	210	220	150	270	420	420	170
Vinyl Chloride	0.94 J	0.93 J	0.9 J	0.8 J	0.8 J	0.7 J	1 U

Historical Detected Concentrations in EPA-2A

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/16/2020	6/18/2020	10/11/2019	5/15/2019	10/11/2018	5/31/2018	9/27/2017
1,4-Dioxane	0.30 U	---	0.3 U	---	0.3 U	0.3 U	0.38
2-Butanone	10 U	5.0 U	10 U	0.4 J	1 J	10 U	10 U
Benzene	0.36 J	0.39 J	0.4 J	0.4 J	0.5 J	1 U	1 U
cis-1,2-Dichloroethene	4.5	4.1	5	5	8	4	1 U
Toluene	1.0 U	1.0 U	1 U	1 U	1 U	1 U	10
Trichloroethene	2.4	3.0	3	3	2	2	1

Historical Detected Concentrations in EPA-2B

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/16/2020	6/18/2020	10/11/2019	5/15/2019	10/11/2018	5/31/2018	9/27/2017	9/27/2017
1,1-Dichloroethane	1.0 U	1.0 U	0.3 J	0.3 J	1 U	1 U	1 U	---
1,2-Dichloroethane	0.64 J	0.59 J	1 U	0.7 J	0.7 J	0.8 J	1 U	---
1,4-Dioxane	0.29 U	---	0.1 J	---	0.3 U	0.3 U	0.31	0.26
Benzene	1.1	1.2	1	1	1	1	1	---
Chlorobenzene	1.0 U	1.0 U	0.2 J	0.2 J	0.2 J	1 U	1 U	---
cis-1,2-Dichloroethene	2.9	3.0	3	3	4	3	3	---
Toluene	1.0 U	1.0 U	1 U	1 U	1 U	1 U	0.8 J	---
Trichloroethene	36	35	43	41	41	42	47	---

Historical Detected Concentrations in EPA-2C

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/16/2020	6/18/2020	10/11/2019	5/15/2019	10/11/2018	5/31/2018	9/27/2017
1,1-Dichloroethane	1.3	1.3	1	2	1	2	1
1,1-Dichloroethene	0.71 J	0.82 J	0.9 J	0.8 J	1 U	0.8 J	0.6 J
1,2-Dichloroethane	2.9	3.0	4	3	3	3	4
1,4-Dioxane	0.32	---	0.2 J	---	0.2 J	0.3U	0.34
2-Butanone	0.62 J	5.0 U	0.7 J	1 J	2 J	5 J	9 J
Acetone	20 U	5.0 U	20 U	20 U	1 J	20 U	20 U
Benzene	13	14	15	16	12	16	14
Chlorobenzene	1.3	1.3	1	1	1 J	1	0.9 J
cis-1,2-Dichloroethene	46	40	42	47	48	43	11
Ethane	---	---	---	---	---	0.64 J	1.7 J
Ethene	---	---	---	---	---	0.90 J	5.0 U
Methane	---	---	---	---	---	25	5.4
Tetrachloroethene	0.30 J	0.34 J	0.4 J	0.3 J	0.3 J	1 U	1 U
Toluene	1.0 U	1.0 U	1 U	1 U	1 U	1 U	48
Trichloroethene	150	130	180	150	95	160	160
Vinyl Chloride	0.20 J	0.28 J	0.2 J	0.3 J	1 U	1 U	1 U

Historical Detected Concentrations in EPA-3A

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	6/26/2018	9/29/2017	9/29/2017
1,4-Dioxane	1	0.19 J	---
Acetone	45	20 U	20 U
Benzene	0.6 J	1	1
Methane	---	11	---
Toluene	1 J	18	18

Historical Detected Concentrations in EPA-3B

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/11/2020	6/23/2020	10/8/2019	10/8/2019	5/16/2019	10/15/2018	10/15/2018	6/4/2018	9/29/2017	9/29/2017
1,4-Dioxane	1.1	---	1	---	---	3	3	0.3 U	0.88 J	---
Benzene	5.4	5.3	6	5	7	8	8	8	8	---
Chlorobenzene	0.24 J	1.0 U	0.3 J	0.3 J	0.3 J	0.4 J	0.4 J	1 U	1 U	---
cis-1,2-Dichloroethene	0.50 J	0.44 J	0.5 J	0.5 J	0.6 J	0.6 J	0.6 J	0.5 J	0.6 J	---
Ethane	---	---	---	---	---	---	---	0.98 J	1.3 J	3.5 J
Ethene	---	---	---	---	---	---	---	0.57 J	5.0 U	5.0 U
Methane	---	---	---	---	---	---	---	210	22	20
Toluene	0.48 J	0.58 J	2	2	3	10	10	13	38	---
Trichloroethene	0.47 J	0.48 J	0.5 J	0.5 J	0.6 J	0.8 J	0.8 J	0.7 J	0.6 J	---

Historical Detected Concentrations in EPA-3C

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/11/2020	6/23/2020	10/8/2019	5/16/2019	10/15/2018	6/4/2018	9/29/2017
1,2-Dichloroethane	0.30 J	1.0 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	0.32 U	---	0.4 J	---	1	0.3 U	0.31 J
Benzene	9.0	8.4	8	10	9	9	9
Chlorobenzene	0.39 J	0.40 J	0.4 J	0.4 J	0.4 J	1 U	1 U
cis-1,2-Dichloroethene	0.75 J	0.78 J	0.7 J	0.9 J	0.7 J	0.6 J	0.8 J
Ethane	---	---	---	---	---	---	2.3 J
Methane	---	---	---	---	---	---	15
Toluene	0.68 J	1.5	0.5 J	0.7 J	2	5	15
Trichloroethene	0.75 J	0.70 J	0.8 J	0.9 J	0.9 J	0.7 J	0.7 J

Historical Detected Concentrations in EPA-4A

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/10/2020	6/16/2020	10/10/2019	5/21/2019	10/9/2018	5/29/2018	9/26/2017
1,4-Dioxane	0.59 J	0.54 J	0.4	0.2 J	0.1 J	0.3 U	0.21 U
2-Butanone	10 U	10 U	10 U	10 U	1 J	10 U	5 J
Acetone	1.1 J	20 U	20 U	20 U	20 U	20 U	20 U
Toluene	1.0 U	1.0 U	1 U	1 U	0.2 J	0.7 J	15

Historical Detected Concentrations in EPA-4B

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/10/2020	6/16/2020	10/10/2019	10/10/2019	5/21/2019	5/21/2019	10/9/2018	5/29/2018	9/26/2017
1,4-Dioxane	0.57	0.74	0.1 J	---	0.3 U	0.9	0.1 J	0.3 U	0.32
2-Butanone	10 U	10 U	10 U	10 U	0.7 J	0.9 J	2 J	10 U	5 J
Methane	---	---	---	---	---	---	---	---	4.3 J
Toluene	3.7	5.5	9	9	12	13	25	34	35

Historical Detected Concentrations in EPA-5A

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/12/2020	10/7/2019	10/8/2018	5/24/2018	9/25/2017
1,4-Dioxane	0.31 U	0.3 J	0.3 U	0.3 UJ	0.21 U
Toluene	1.0 U	1 U	1 U	1 U	0.5 J

Historical Detected Concentrations in EPA-5B

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/12/2020	10/7/2019	10/8/2018	5/24/2018	9/25/2017
1,4-Dioxane	0.31 U	0.2 J	0.3 U	0.3 UJ	0.20 U
Toluene	1.0 U	1 U	1 U	1 U	3

Historical Detected Concentrations in OMW-101

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/26/2015	12/4/2014	12/6/2013	10/22/2012	10/17/2011	10/11/2010	12/15/2009	10/19/2009	10/13/2008	10/24/2007	11/14/2006
1,1-Dichloroethane	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.14 J
1,4-Dioxane	---	---	0.096 J	---	---	---	---	---	---	---	---
Benzene	0.5 U	2.81	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	0.5 U	0.567 J	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylenes	0.5 U	1.00 U	---	---	---	---	---	---	5 U	---	---
Methylene chloride	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-101

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2005	10/20/2004	10/21/2003	9/30/2002	10/15/2001	11/16/2000	11/4/1999	11/4/1999	11/17/1998	10/24/1998	12/27/1996
1,1-Dichloroethane	5 U	5 U	1.96 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U
1,2-Dichloroethane	1.95 J	2.2 J	27.1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Benzene	5 U	1.19 J	5 U	5 U	5 U	5 U	2 J	2 J	34	150	0.5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	1 J	0.9 J	11	54	0.5 U
Chloroform	5 U	5 U	8.69	5 U	5 U	5 U	5 U	5 U	4 J	2 J	0.5 U
cis-1,2-Dichloroethene	5 U	1.48 J	1.94 J	5 U	5 U	5 U	5 U	8	8	32	0.5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	2 J	0.5 U
m,p-Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	6	1 U
Methylene chloride	1.91 J	3.28 J	75.8	5 U	5 U	5 U	5 U	5 U	6 B	7	0.5 U
Toluene	5 U	5 U	4.13 J	5 U	5 U	5 U	2 J	1 J	17	120	0.5 U
Trichloroethene	5 U	1.32 J	2.46 J	5 U	5 U	5 U	5 U	5 U	8	5	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-101

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	9/12/1995	4/19/1994	12/29/1993	12/29/1993	8/18/1993	5/12/1993	2/11/1993	10/6/1992
1,1-Dichloroethane	0.5 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.5 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	---	---	---	---	---	---	---	---
Benzene	0.5 UJ-C	1 U	0.5 U	1 J	0.5 U	0.5 U	0.5 UJ	0.5 U
Chlorobenzene	0.5 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	0.5 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Ethylbenzene	0.5 UJ-C	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U
m,p-Xylenes	1 UJ-C	1 U	1 J	1 UJ	1 U	1 U	1 UJ	1 UJ
Methylene chloride	0.5 UJ-C	1 U	0.5 U	1.2 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 UJ-C	1 U	0.5 U	1.8 J	0.5 U	0.5 U	0.5 UJ	0.5 U
Trichloroethene	0.5 U	1 U	0.5 U	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	0.022 U	---	0.022 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1221	0.022 U	---	0.022 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1232	0.022 U	---	0.022 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1242	0.022 UJ-C	---	0.022 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1248	0.022 U	---	0.022 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1254	0.022 U	---	0.022 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1260	0.022 U	---	0.022 U	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/10/2020	11/10/2020	6/16/2020	10/7/2019	5/16/2019	10/9/2018	6/19/2018	9/29/2017	5/31/2017	10/20/2016
1,1,2,2-Tetrachloroethane	5.0 U	5.0 U	2.0 U	1 U	1 U	2 U	1 U	1 U	1 U	1.0 U
1,1-Dichloroethane	5.0 U	5.0 U	2.0 U	1 U	1 U	2 U	1 U	1 U	1 U	1.0 U
1,2-Dichloroethane	5.0 U	5.0 U	2.0 U	1 U	1 U	2 U	1 U	1 U	1 U	1.0 U
1,4-Dioxane	96	96	21	5 J	1	160	60 J	51 J	48	73
4-Methyl-2-Pentanone	50 U	50 U	20 U	10 U	10 U	20 U	10 U	10 U	10 U	1.0 U
Acetone	100 U	100 U	40 U	20 U	20 U	40 U	20 U	20 U	20 U	5.0 U
Benzene	1800	2000	930	120	14	3400	1000	1000	1000	981
Chlorobenzene	25	26	13	4	0.9 J	49	16	16	17	18.0
Chloroethane	1.7 J	1.6 J	1.1 J	1 U	1 U	3	1	1 U	0.5 J	1.0 U
Chloroform	5.0 U	5.0 U	2.0 U	1 U	1 U	2 U	1 U	1 U	1 U	1.0 U
Ethane	---	---	---	---	---	---	---	250	---	---
Ethylbenzene	5.0 U	5.0 U	2.0 U	1 U	1 U	1 J	1 U	0.5 J	0.5 J	1.0 U
m,p-Xylenes	5.0 U	5.0 U	2.0 U	5 U	5 U	10 U	1 U	1 U	1 U	2.0 U
Methane	---	---	---	---	---	---	---	5900	---	---
Methylene chloride	5.0 U	5.0 U	2.0 U	1 U	1 U	2 U	1 U	1 U	4 U	1.0 U
o-Xylene	5.0 U	5.0 U	2.0 U	1 U	1 U	2 U	1 U	1 U	1 U	1.0 U
Toluene	5.0 U	5.0 U	2.0 U	1 U	1 U	2 U	1 U	1 U	1 U	1.0 U
2,4-Dimethylphenol	---	---	---	10 U	---	---	---	1 UJ	---	---
2-Methylphenol	---	---	---	2 U	---	---	---	1 UJ	---	---
4-Methylphenol	---	---	---	2 U	---	---	---	1 UJ	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	2 U	---	---	---	4 J	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/17/2016	5/17/2016	10/26/2015	5/13/2015	5/13/2015	12/4/2014	6/6/2014	12/6/2013	5/7/2013	10/23/2012	5/21/2012
1,1,2,2-Tetrachloroethane	1 U	1 U	0.5 U	10 U	10 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U
1,1-Dichloroethane	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	0.992 J	5 U	5 U	5 U
1,2-Dichloroethane	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U
1,4-Dioxane	6.7	---	1.6	4.0	---	89	38	360	---	---	---
4-Methyl-2-Pentanone	1 U	1 U	3 U	1 U	1 U	5.00 U	5.00 U	1.00 U	5 U	5 U	5 U
Acetone	1 J	1 J	6 U	6	6	10.0 U	10.0 U	5.00 U	5 U	5 U	5 U
Benzene	260	230	83	200	200	1490 J	569	4850	24.1	2.95 J	48.5
Chlorobenzene	4	4	2	4	4	25.0 J	10.5	92.2	5 U	5 U	1.67 J
Chloroethane	1 U	1 U	0.5 U	1 U	1 U	0.921 J	1.00 U	3.27	5 U	5 U	5 U
Chloroform	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	1 U	1 U	0.5 U	1 U	1 U	1.07 J	1.00 U	3.52	5 U	5 U	5 U
m,p-Xylenes	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	---	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	1 U	1 U	2 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U
o-Xylene	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U
Toluene	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.53	5 U	5 U	5 U
2,4-Dimethylphenol	---	---	0.5 U	---	---	---	---	10.0 U	---	---	---
2-Methylphenol	---	---	0.5 U	---	---	---	---	10.0 U	---	---	---
4-Methylphenol	---	---	0.5 U	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	10.0 U	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	10.0 U	---	---	---
Phenol	---	---	0.5 U	---	---	---	---	10.0 U	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2011	5/23/2011	10/13/2010	5/19/2010	12/15/2009	10/14/2008	10/25/2007	11/15/2006	10/18/2005	5/23/2005	10/20/2004
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	1.65 J	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U
Acetone	5 U	5 U	1.28 J	5 U	25 U	5 U	5 U	25 U	17.8 B	18.2 B	2.24 JB
Benzene	98.7	226	3.31 J	54.8	3150	18.2	119	936	1750	3240	97.5
Chlorobenzene	2.04 J	7.06	5 U	1.9 J	41.2	5 U	4.34 J	24.8 J	60.4	86.6	3.72 J
Chloroethane	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	3.03 J	2.32 J	5 U
Chloroform	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	2.84 J	5.03	5 U
m,p-Xylenes	---	---	---	---	---	5 U	---	---	5 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U
o-Xylene	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5.45 J	2.27 J	2.71 J	5 U
2,4-Dimethylphenol	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---	18.5 U
2-Methylphenol	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---	18.5 U
4-Methylphenol	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---	18.5 U
bis(2-Ethylhexyl)Phthalate	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---	150
Nitrobenzene	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---	18.5 U
Phenol	9.26 U	---	---	---	---	9.43 U	---	---	21.2	---	18.5 U
Aroclor-1016	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U
Aroclor-1221	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U
Aroclor-1232	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U
Aroclor-1242	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U
Aroclor-1248	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U
Aroclor-1254	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U
Aroclor-1260	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2004	5/18/2004	10/22/2003	5/20/2003	10/2/2002	5/14/2002	10/18/2001	5/9/2001	11/17/2000	5/18/2000	11/4/1999	11/4/1999
1,1,2,2-Tetrachloroethane	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	1 U	1.66 J	25 U	3 J	5 U	4 J	5 J	10	5 U	4 J	4 J
1,2-Dichloroethane	5 U	1 U	5 U	25 U	5 U	5 U	5 U	10	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	5 U	1 U	5 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	12	15
Acetone	5 U	7.01 B	5 U	25 U	10 U	12	10 U	10 U	10 U	10 U	70	130
Benzene	87.4	213	3460	4070	4900	6600	8600	8000	8300	5800	3800	3600
Chlorobenzene	3.17 J	10.2	98	96.8	110	120	160	160	150	160 J	77	78
Chloroethane	5 U	1 U	3.56 J	25 U	6 J	10 U	10 U	10 U	10 U	10 U	2 J	10 U
Chloroform	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	5 U	1 U	4.34 J	25 U	5 U	5 U	8	7	6	5 U	5 U	5 U
m,p-Xylenes	5 U	1 U	5 U	25 U	3 J	4 J	1 J	1 J	5 U	5 U	5 U	3 J
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	150 BJ	5 U	5 U
o-Xylene	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	2.01	2.15 J	25 U	3 J	2 J	4 J	4 J	8	5 U	3 J	3 J
2,4-Dimethylphenol	---	---	9.26 U	---	5 U	---	10 U	---	10 U	---	6 J	---
2-Methylphenol	---	---	9.26 U	---	5 U	---	10 U	---	10 U	---	2 J	---
4-Methylphenol	---	---	43.6	---	5 U	---	10 U	---	10 U	---	5 J	---
bis(2-Ethylhexyl)Phthalate	---	---	9.26 U	---	0.7 J	---	17	---	10 U	---	10 U	---
Nitrobenzene	---	---	2.15 J	---	5 U	---	10 U	---	10 U	---	10 U	---
Phenol	---	---	7.45 J	---	1 J	---	3 J	---	8 J	---	11	---
Aroclor-1016	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---
Aroclor-1221	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---
Aroclor-1232	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---
Aroclor-1242	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---
Aroclor-1248	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---
Aroclor-1254	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---
Aroclor-1260	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/4/1999	5/4/1999	10/24/1998	10/24/1998	9/12/1995	4/20/1994	12/29/1993	8/18/1993	8/18/1993	5/12/1993	2/11/1993	2/11/1993
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	200 UJ-C	100 UJ-C	130 UJ	430	120 U	84 U	---	250 UJ
1,1-Dichloroethane	5 U	5 U	10	10	200 U	100 U	130 UJ	250 U	120 U	84 U	---	250 UJ
1,2-Dichloroethane	5 U	5 U	5 U	5 U	200 U	100 U	130 UJ	250 U	120 U	84 U	---	250 UJ
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	10 U	10 U	12	15	---	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	---	---	---	---	---	---	---	---
Benzene	480	430	9900	8900	7500 J-C	6100	8900 J	10000	9100	5300	---	6200 J
Chlorobenzene	23	25	320	250 J	460	210	300 J	570	250	150	---	250 UJ
Chloroethane	10 U	10 U	10 U	10 U	200 U	100 U	130 UJ	250 U	120 U	84 U	---	250 UJ
Chloroform	2 BJ	2 BJ	1 J	5 U	200 U	100 U	250 J	250 U	120 U	84 U	---	250 UJ
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	5 U	5 U	13	15	200 UJ-C	100 U	130 UJ	2300	120 U	84 U	---	250 UJ
m,p-Xylenes	5 U	5 U	7	9	200 UJ-C	200 U	260 UJ	500 U	250 U	84 U	---	500 UJ
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	4 J	4 J	5 U	5 U	200 UJ-C	100 U	130 UJ	250 U	120 U	84 U	---	250 UJ
o-Xylene	5 U	5 U	4 J	3 J	---	---	---	---	---	---	---	---
Toluene	4 J	4 J	57	55	560 J-C	1100	1700 J	250 U	1900	830	---	1300 J
2,4-Dimethylphenol	---	---	10 U	10 U	11 R-S	8	12	---	---	U	4.9 J	5 J
2-Methylphenol	---	---	10 U	10 U	11 R-S	25	31	---	---	U	19	18 J
4-Methylphenol	---	---	10 U	10 U	11 R-S	72	120	---	---	U	63 J	63 J
bis(2-Ethylhexyl)Phthalate	---	---	9 BJ	5 BJ	11 U	---	---	---	---	---	---	---
Nitrobenzene	---	---	10 U	10 U	11 U	---	---	---	---	---	---	---
Phenol	---	---	10 U	10 U	11 R-S	7	8 J	C	C	C	7.1	10 J
Aroclor-1016	---	---	0.5 U	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U
Aroclor-1221	---	---	0.5 U	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U
Aroclor-1232	---	---	0.5 U	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U
Aroclor-1242	---	---	0.5 U	0.5 U	0.022 UJ-C	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U
Aroclor-1248	---	---	0.5 U	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U
Aroclor-1254	---	---	1 U	1 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U
Aroclor-1260	---	---	1 U	1 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/6/1992
1,1,2,2-Tetrachloroethane	120 U
1,1-Dichloroethane	120 U
1,2-Dichloroethane	120 U
1,4-Dioxane	---
4-Methyl-2-Pentanone	---
Acetone	---
Benzene	7200
Chlorobenzene	160 J
Chloroethane	120 U
Chloroform	120 U
Ethane	---
Ethylbenzene	120 U
m,p-Xylenes	250 U
Methane	---
Methylene chloride	120 U
o-Xylene	---
Toluene	1200
2,4-Dimethylphenol	1 U
2-Methylphenol	5.5
4-Methylphenol	24
bis(2-Ethylhexyl)Phthalate	---
Nitrobenzene	---
Phenol	1 U
Aroclor-1016	0.1 U
Aroclor-1221	0.1 U
Aroclor-1232	0.1 U
Aroclor-1242	0.1 U
Aroclor-1248	0.1 U
Aroclor-1254	0.1 U
Aroclor-1260	0.1 U

Historical Detected Concentrations in OMW-103

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/18/2020	10/16/2019	10/12/2018	5/23/2018	9/28/2017	10/19/2016	10/23/2015	12/4/2014	12/4/2013	10/22/2012	10/17/2011
1,4-Dioxane	---	---	---	0.3 U	0.24	---	---	---	0.20 U	---	---
Benzene	1.0 U	1 U	1 U	1 U	1 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U
Ethene	---	---	---	---	5.0 U	---	---	---	---	---	---
Methane	---	---	---	---	890	---	---	---	---	---	---
Methylene chloride	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U
Toluene	1.0 U	1 U	1 U	1 U	300	7.6	0.5 U	1.00 U	1.00 U	5 U	5 U
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	---	5 U	5 U	4 J	5 U	1.0 U	5 U	1.00 U	1.00 U	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-103

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/13/2010	10/20/2009	10/14/2008	10/24/2007	11/13/2006	10/17/2005	10/19/2004	10/21/2003	9/30/2002	10/16/2001	11/15/2000
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-103

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/3/1999	10/22/1998	1/23/1997	12/28/1996	9/13/1995	4/19/1994	12/29/1993	8/18/1993	5/12/1993	2/11/1993	10/6/1992
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Benzene	5 U	5 U	---	0.5 U	0.5 U	1 U	0.6 J	0.5 U	0.5 U	0.5 UJ	0.5 U
Ethene	---	---	9	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	6 B	---	0.5 U	0.5 U	1 U	0.8 J	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	5 U	5 U	---	1.9	0.5 U	1 U	1.2 J	0.5 U	0.5 U	0.5 UJ	0.5 U
Benzoic Acid	---	---	---	---	2 J	---	---	---	---	---	---
Cyclohexane	---	---	---	---	2 J	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	1 J	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1221	---	---	---	---	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1232	---	---	---	---	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1242	---	---	---	---	0.022 UJ-C	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1248	---	---	---	---	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1254	---	---	---	---	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1260	---	---	---	---	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

Historical Detected Concentrations in OMW-107

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/9/2019	5/22/2018	9/26/2017	10/20/2015	12/4/2013	10/23/2012	10/18/2011	10/12/2010	10/21/2009	10/14/2008	10/24/2007
1,1-Dichloroethane	0.9 J	1 U	0.7 J	0.5 U	0.530 J	5 U	5 U	0.5 U	5 U	1.03 J	5 U
1,4-Dioxane	2	2 J	2.4	0.92	2.2	---	---	---	---	---	---
Acetone	1 J	20 U	20 U	20 U	5.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Benzene	0.2 J	1 U	1 U	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Chlorobenzene	1	0.9 J	1	0.6 J	1.39	5 U	5 U	1.09	1.36 J	2.71 J	1.17 J
Chloroethane	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Ethene	---	---	5.0 U	---	---	---	---	---	---	---	---
Methane	---	---	42	---	---	---	---	---	---	---	---
Methylene chloride	1 U	1 U	1 U	2 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Toluene	0.6 J	0.6 J	1 U	1 U	1 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-107

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/14/2006	10/17/2005	10/19/2004	10/20/2003	9/30/2002	10/15/2001	11/14/2000	11/2/1999	10/21/1998	1/16/1997	12/24/1996
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	3 J	5 U	5 U	5 U	---	0.5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	0.5 U
Chlorobenzene	5 U	5 U	5 U	4.67 J	5 U	11	5 U	4 J	6	---	0.5 U
Chloroethane	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	---	0.5 U
Ethene	---	---	---	---	---	---	---	---	---	6	---
Methane	---	---	---	---	---	---	---	---	---	46	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	10 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-107

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	9/13/1995	4/19/1994	12/29/1993	8/18/1993	5/12/1993	2/11/1993	10/6/1992
1,1-Dichloroethane	3.5 J-S	3.6 J-HS	3 J	6	3.1	6.2 UJ	9.7
1,4-Dioxane	---	---	---	---	---	---	---
Acetone	---	---	---	---	---	---	---
Benzene	2.6 J-S	1 U	0.5 UJ	0.5 U	0.5 U	260 J	33
Chlorobenzene	9 J-CS	1 U	0.5 UJ	0.5 U	0.5 U	35 J	10 J
Chloroethane	1.3 J-CS	1.3 J-HS	1.1 J	2.3	1.4	6.2 UJ	4
Ethene	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---
Methylene chloride	0.5 UJ-S	1 U	0.8 J	0.5 U	0.5 U	6.2 UJ	0.5 U
Toluene	0.5 UJ-S	1 U	0.5 UJ	0.5 U	0.5 U	6.2 UJ	0.5 U
di-n-Butyl Phthalate	1 J	---	---	---	---	---	---
Phenol	12 R-S	5 U	8 J	C	C	R	1 R
Aroclor-1016	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1221	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1232	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1242	0.022 UJ-C	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1248	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1254	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1260	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

Historical Detected Concentrations in OMW-108

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/9/2019	5/22/2018	9/26/2017	10/20/2015	12/4/2013	10/22/2012	10/17/2011	10/12/2010	10/20/2009	10/14/2008	10/24/2007
1,1-Dichloroethane	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
1,4-Dioxane	0.3 U	0.4 UJ	0.20 U	0.10 J	0.22	---	---	---	---	---	---
Acetone	0.7 J	20 U	20 U	20 U	5.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Benzene	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Chlorobenzene	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	1.2 J
Methylene chloride	1 U	1 U	1 U	2 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Toluene	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-108

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/14/2006	10/17/2005	10/18/2004	10/20/2003	10/1/2002	10/16/2001	11/14/2000	11/2/1999	10/21/1998	12/29/1996	9/13/1995
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	1.5
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.56	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	0.022 UJ-C
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	0.022 U

Historical Detected Concentrations in OMW-108

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	4/19/1994	12/29/1993	8/18/1993	5/12/1993	2/11/1993	10/6/1992
1,1-Dichloroethane	1 U	0.7 J	0.5 U	0.5 U	0.5 UJ	0.5 U
1,4-Dioxane	---	---	---	---	---	---
Acetone	---	---	---	---	---	---
Benzene	1 U	0.5 UJ	0.5 U	0.5 U	5.5 J	0.5 U
Chlorobenzene	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U
Methylene chloride	1 U	1.1 J	0.5 U	0.5 U	0.5 UJ	0.5 U
Toluene	1 U	0.5 UJ	0.5 U	0.5 U	0.5 UJ	0.5 U
Aroclor-1016	---	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U
Aroclor-1221	---	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U
Aroclor-1232	---	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U
Aroclor-1242	---	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U
Aroclor-1248	---	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U
Aroclor-1254	---	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U
Aroclor-1260	---	0.09 U	0.09 U	0.18 U	0.09 U	0.09 U

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/10/2020	6/16/2020	6/16/2020	10/7/2019	5/16/2019	5/16/2019	10/9/2018	6/19/2018	9/29/2017	9/29/2017	5/31/2017
1,1-Dichloroethane	20 U	20 U	20 U	20 U	20 U	20 U	10 U	20 U	10 U	---	50 U
1,2-Dichloroethane	20 U	20 U	20 U	20 U	20 U	20 U	10 U	20 U	10 U	---	50 U
1,4-Dichlorobenzene	11 J	20 J	22 J	8 J	100 U	4 J	5 J	100 U	50 U	---	250 U
1,4-Dioxane	750	650	700	730 J	540	510	310	1000 J	640 J	---	650
2-Butanone	199 U	197 U	198 U	200 U	200 U	200 U	100 U	200 U	100 UJ	---	500 U
2-Hexanone	200 U	200 U	200 U	200 U	200 U	200 U	100 U	200 U	100 U	---	500 U
4-Methyl-2-Pentanone	200 U	200 U	200 U	200 U	200 U	200 U	100 U	200 U	100 U	---	500 U
Acetone	400 U	400 U	400 U	400 U	400 U	400 U	200 U	400 U	200 U	---	1000 U
Benzene	13000	12000	14000	12000	15000	14000	14000	18000	17000	---	38000
Chlorobenzene	2800	3100	3400	2200	2000	2000	2000	1900	2000	---	3800
Chloroethane	40	48	49	24	26	24	27	31	18	---	59
Chloroform	20 U	20 U	20 U	20 U	20 U	20 U	10 U	20 U	10 U	---	50 U
cis-1,2-Dichloroethene	20 U	20 U	20 U	20 U	20 U	20 U	10 U	20 U	10 U	---	50 U
Cyclohexane	100 U	100 U	100 U	100 U	100 U	100 U	50 U	100 U	50 U	---	250 U
Ethane	---	---	---	---	---	---	---	460	880	---	---
Ethene	---	---	---	---	---	---	---	0.22 J	5.0 U	---	---
Ethylbenzene	180	250	290	140	120	120	120	99	110	---	250
Isopropylbenzene	99 U	97 U	98 U	100 U	100 U	100 U	50 U	100 UJ	50 U	---	250 U
m,p-Xylenes	590	890	990	390	260	260	340	220	250	---	690
Methane	---	---	---	---	---	---	---	7100	8100	---	---
Methyl Acetate	100 U	100 U	100 U	100 U	100 U	100 U	50 U	100 U	50 U	---	250 U
Methylene chloride	20 U	20 U	20 U	20 U	20 U	20 U	10 U	20 U	10 U	---	200 U
Methyl tert-Butyl ether	20 U	20 U	20 U	20 U	20 U	20 U	10 U	20 UJ	10 U	---	50 U
o-Xylene	110	190	220	54	35	34	49	10 J	11	---	50 U
Styrene	100 U	6.8 J	100 U	100 U	100 U	100 U	50 U	100 U	50 U	---	250 U
Toluene	590	730	770	190	490	470	1600	20 U	19	---	50 U
trans-1,2-Dichloroethylene	6.6 J	8.0 J	8.6 J	20 U	20 U	20 U	3 J	20 U	10 U	---	50 U
Vinyl chloride	20 U	20 U	20 U	20 U	20 U	20 U	10 U	20 U	10 U	---	50 U
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
2,4-Dimethylphenol	---	---	---	150	---	---	---	---	53	63	---
2-Chlorophenol	---	---	---	8	---	---	---	---	6	6	---
2-Methylphenol	---	---	---	6	---	---	---	---	3	3	---
4-Chloro-3-Methylphenol	---	---	---	2 U	---	---	---	---	1 U	1 U	---
4-Methylphenol	---	---	---	1 J	---	---	---	---	0.6 J	0.6 J	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
Naphthalene	---	---	---	---	---	---	---	---	---	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/10/2020	6/16/2020	6/16/2020	10/7/2019	5/16/2019	5/16/2019	10/9/2018	6/19/2018	9/29/2017	9/29/2017	5/31/2017
Phenol	---	---	---	19	---	---	---	---	14	15	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---
PCBs, Total	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2016	5/17/2016	5/17/2016	10/26/2015	10/26/2015	5/13/2015	12/4/2014	6/6/2014	12/6/2013	10/25/2012	5/22/2012
1,1-Dichloroethane	1.0 UJ	20 U	---	5 U	---	1	100 U	1.00 U	1.00 UJ	5000 U	5 U
1,2-Dichloroethane	1.0 UJ	20 U	---	5 U	---	1 U	100 U	1.00 U	0.901 J	5000 U	5 U
1,4-Dichlorobenzene	3.8 J	20 U	---	10 U	---	1 U	100 U	1.12 J	1.62 J	---	---
1,4-Dioxane	1500	2200	1800	520	---	15	1500	1500	1400	---	---
2-Butanone	1.0 UJ	20 U	---	30 U	---	1 U	500 U	5.00 U	1.00 UJ	5000 U	5 U
2-Hexanone	1.0 UJ	100 U	---	30 U	---	5 U	500 U	1.59 J	1.00 UJ	5000 U	5 U
4-Methyl-2-Pentanone	8.3 J	20 U	---	30 U	---	10	500 U	6.67 J	18.5 J	5000 U	5 U
Acetone	51.9 J	100 U	---	60 U	---	8	1000 U	66.2 J	22.0 J	5000 U	5 U
Benzene	21000	26000	---	14000	---	27000	22500	20400	19200	96400	5 U
Chlorobenzene	2250	2500	---	1200	---	2300	2320	1770	1410	8830	5 U
Chloroethane	42.3 J	26	---	13	---	33	54.6 J	16.9 J	28.4 J	5000 U	5 U
Chloroform	1.0 UJ	20 U	---	5 U	---	1 U	100 U	1.00 U	1.00 UJ	5000 U	5 U
cis-1,2-Dichloroethene	1.0 UJ	20 U	---	5 U	---	1 U	100 U	1.00 U	0.797 J	5000 U	5 U
Cyclohexane	1.0 UJ	20 U	---	20 U	---	1 UJ	100 U	1.85 J	2.75 J	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	500 U	160	---	57	---	120	148	84.4	102 J	5000 U	5 U
Isopropylbenzene	1.5 J	20 U	---	10 U	---	1 U	100 U	0.595 J	0.757 J	---	---
m,p-Xylenes	1000 U	310	---	74	---	190	198	165 J	173 J	---	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	1.0 UJ	20 U	---	10 U	---	1 U	100 U	28.8 J	1.00 UJ	---	---
Methylene chloride	1.0 UJ	20 U	---	20 U	---	1 U	100 U	1.00 U	1.00 UJ	5000 U	5 U
Methyl tert-Butyl ether	1.0 UJ	20 U	---	5 U	---	1 U	100 U	0.501 J	0.597 J	---	---
o-Xylene	51.8 J	55	---	14	---	21	100 U	34.7 J	38.7 J	5000 U	5 U
Styrene	1.0 UJ	20 U	---	50 U	---	1 U	100 U	1.00 U	1.00 UJ	5000 U	5 U
Toluene	15.6 J	1700	---	120	---	500	107	84.2 J	528	20000	5 U
trans-1,2-Dichloroethylene	4.8 J	20 U	---	5 U	---	3	100 U	2.47 J	2.24 J	5000 U	5 U
Vinyl chloride	1.0 UJ	20 U	---	5 U	---	2	100 U	1.00 U	1.91	5000 U	5 U
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	1.62 J	---	---
2,4-Dimethylphenol	---	---	---	32 J	22 J	---	---	---	109	---	---
2-Chlorophenol	---	---	---	5 J	3 J	---	---	---	10.0 U	---	---
2-Methylphenol	---	---	---	6 J	4 J	---	---	---	46.1	---	---
4-Chloro-3-Methylphenol	---	---	---	0.5 UJ	0.5 UJ	---	---	---	10.0 UJ	---	---
4-Methylphenol	---	---	---	5 J	3 J	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	10.0 U	---	---
Naphthalene	---	---	---	---	---	---	---	---	5.00 U	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	10.0 U	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2016	5/17/2016	5/17/2016	10/26/2015	10/26/2015	5/13/2015	12/4/2014	6/6/2014	12/6/2013	10/25/2012	5/22/2012
Phenol	---	---	---	3 J	2 J	---	---	---	36.2	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---
PCBs, Total	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2011	5/24/2011	10/13/2010	5/19/2010	10/22/2009	10/15/2008	10/25/2007	11/15/2006	10/19/2005	10/19/2005	5/24/2005
1,1-Dichloroethane	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
1,2-Dichloroethane	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	6.23 J
1,4-Dichlorobenzene	9.26 U	3.83 J	---	---	---	9.26 U	---	---	---	22.5 U	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	17.5 J
2-Hexanone	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
4-Methyl-2-Pentanone	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	66.1	62.6	73.5
Acetone	5000 U	248 J	142	1000 U	2500 U	2500 U	100 U	100 U	120	118	191 B
Benzene	39500	43800	12900	15700	11700	19400	13700	20300	17200	13800	16300
Chlorobenzene	3300 J	4550	1130	1220	1180 J	1680 J	1150	1490	1210	1240	1350
Chloroethane	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	22 J	100 U	41	35.5	30.3
Chloroform	5000 U	1000 U	111	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
cis-1,2-Dichloroethene	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	9.71 J	9.59 J	21.6 J
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	5000 U	333 J	100 U	1000 U	2500 U	2500 U	89 J	125	93	90	104
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	---	---	---	---	---	2500 U	---	---	216	214	247
Methane	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	74.1 J	92.3 J	82.8	82.5	97
Styrene	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
Toluene	5000 U	1000 U	684	1410	2440 J	1510 J	1630	1920	3340	2640	4260
trans-1,2-Dichloroethylene	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
Vinyl chloride	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
1,4-Dichlorobenzene	9.26 U	3.83 J	---	---	---	9.26 U	---	---	20.2 U	22.5 U	---
2,4-Dimethylphenol	165	152	---	---	---	202	---	---	202	203	---
2-Chlorophenol	9.52	3.64 J	---	---	---	5.7 J	---	---	8.89 J	7.9 J	---
2-Methylphenol	98	2.68 J	---	---	---	130	---	---	206	184	---
4-Chloro-3-Methylphenol	9.26 U	9.43 U	---	---	---	9.36	---	---	20.2 U	22.5 U	---
4-Methylphenol	364	9.02 J	---	---	---	891	---	---	935	1080	---
bis(2-Ethylhexyl)Phthalate	9.26 U	9.43 U	---	---	---	9.26 U	---	---	20.2 U	22.5 U	---
Naphthalene	8.66	4.72 U	---	---	---	9.26 U	---	---	20.2 U	22.5 U	---
Nitrobenzene	9.26 U	9.43 U	---	---	---	9.26 U	---	---	62.1	62.3	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2011	5/24/2011	10/13/2010	5/19/2010	10/22/2009	10/15/2008	10/25/2007	11/15/2006	10/19/2005	10/19/2005	5/24/2005
Phenol	104	128	---	---	---	61.6	---	---	168	180	---
Aroclor-1016	0.05 U	0.05 U	---	---	---	0.05 U	---	---	0.05 U	0.0505 U	---
Aroclor-1221	0.05 U	0.05 U	---	---	---	0.05 U	---	---	0.05 U	0.0505 U	---
Aroclor-1232	0.05 U	0.05 U	---	---	---	0.05 U	---	---	0.05 U	0.0505 U	---
Aroclor-1242	0.0481 AD,J	0.05 U	---	---	---	0.05 U	---	---	0.05 U	0.0505 U	---
Aroclor-1248	0.05 U	0.05 U	---	---	---	0.05 U	---	---	0.05 U	0.0505 U	---
Aroclor-1254	0.05 U	0.05 U	---	---	---	0.05 U	---	---	0.05 U	0.0505 U	---
Aroclor-1260	0.05 U	0.05 U	---	---	---	0.05 U	---	---	0.05 U	0.0505 U	---
PCBs, Total	0.0481 J	0.05 U	---	---	---	0.05 U	---	---	0.05 U	0.0505 U	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/24/2005	10/20/2004	5/18/2004	5/18/2004	10/23/2003	5/21/2003	5/21/2003	10/3/2002	5/15/2002	5/15/2002	10/19/2001	5/9/2001
1,1-Dichloroethane	25 U	5.53 J	8.97	9.84	50 U	500 U	500 U	8	13	12	17	250 U
1,2-Dichloroethane	6.14 J	7.63 J	7.21	7.61	50 U	500 U	500 U	5 U	5 U	5 U	5 U	250 U
1,4-Dichlorobenzene	---	19.2	---	---	9.26	---	---	100 U	---	---	250 U	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	17.4 J	25 U	21.1	5 U	50 U	500 U	500 U	13	46	40	37	500 U
2-Hexanone	25 U	25 U	5 U	8.91	50 U	500 U	500 U	10 U	10 U	10 U	10 U	500 U
4-Methyl-2-Pentanone	71.5	106	118	136	50 U	500 U	500 U	170	350	350	670	640
Acetone	191 B	117 B	201 B	209 B	117	500 U	500 U	370	270	280	680	500 U
Benzene	18900	19800	16700	16500	28800 E	28900	26900	28000	35000	31000	59000	54000
Chlorobenzene	1310	1220	1040	1240	1560	1750	1530	1800	1800	1800	3800	3800
Chloroethane	27.6	32.7	26.1	24.6	22.3 J	500 U	500 U	41	30	10 U	99	500 U
Chloroform	25 U	25 U	5 U	5 U	50 U	500 U	500 U	5 U	5 U	5 U	5 U	140 J
cis-1,2-Dichloroethene	20.1 J	33.1	37.8	39.4	13.1 J	500 U	500 U	5 U	5 U	5 U	5 U	250 U
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	103	94.8	77.3	86.6	122	500 U	500 U	160	170	170	170	320
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	224	245	204	237	316	500 U	500 U	430	490	460	1100	1000
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	7.38 J	10.2 J	26.9	16.5	50 U	500 U	500 U	5 U	5 U	5 U	5 U	260 B
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	92.3	98.6	89.9	97.7	126	500 U	500 U	160	180	190	390	330
Styrene	25 U	25 U	5 U	5 U	50 U	500 U	500 U	5 U	5 U	5 U	5 U	250 U
Toluene	4830	5000	7840	7480	11400 E	15000	14100	15000	22000	20000	34000	30000
trans-1,2-Dichloroethylene	25 U	25 U	5 U	5 U	50 U	500 U	500 U	5 U	5 U	5 U	5 U	250 U
Vinyl chloride	25 U	25 U	5 U	5 U	50 U	500 U	500 U	10 U	10 U	10 U	10 U	500 U
1,4-Dichlorobenzene	---	19.2 U	---	---	9.26 U	---	---	100 U	---	---	250 U	---
2,4-Dimethylphenol	---	19.2 U	---	---	9.26 U	---	---	100 U	---	---	130 J	---
2-Chlorophenol	---	19.2 U	---	---	6.68 J	---	---	100 U	---	---	250 U	---
2-Methylphenol	---	164	---	---	73	---	---	62 J	---	---	95 J	---
4-Chloro-3-Methylphenol	---	19.2 U	---	---	9.26 U	---	---	100 U	---	---	250 U	---
4-Methylphenol	---	1380	---	---	1240	---	---	1400	---	---	1700	---
bis(2-Ethylhexyl)Phthalate	---	103	---	---	53.5	---	---	100 U	---	---	250 U	---
Naphthalene	---	19.2 U	---	---	9.26 U	---	---	100 U	---	---	250 U	---
Nitrobenzene	---	58.3	---	---	9.26 U	---	---	100 U	---	---	250 U	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/24/2005	10/20/2004	5/18/2004	5/18/2004	10/23/2003	5/21/2003	5/21/2003	10/3/2002	5/15/2002	5/15/2002	10/19/2001	5/9/2001
Phenol	---	161	---	---	123	---	---	100 U	---	---	250 U	---
Aroclor-1016	---	0.05 U	---	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---
Aroclor-1221	---	0.05 U	---	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---
Aroclor-1232	---	0.05 U	---	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---
Aroclor-1242	---	0.05 U	---	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---
Aroclor-1248	---	0.05 U	---	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---
Aroclor-1254	---	0.05 U	---	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---
Aroclor-1260	---	0.05 U	---	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---
PCBs, Total	---	U	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/17/2000	11/17/2000	5/22/2000	11/4/1999	5/4/1999	11/17/1998	11/17/1998	10/24/1998	1/22/1997	12/29/1996	9/12/1995
1,1-Dichloroethane	74	97	70	86	130	5 U	5 U	140	---	150 U	800 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	150 U	800 U
1,4-Dichlorobenzene	---	250 U	---	10 U	---	10 U	10 U	10 U	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	10 U	10 U	51	62	110	10 U	10 U	170	---	---	---
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---	---
4-Methyl-2-Pentanone	610	610	430 J	360	320	10 U	10 U	920	---	---	---
Acetone	10 U	10 U	780	790	1900	10 U	10 U	710	---	---	---
Benzene	74000	68000	57000	50000	45000	59000	67000	47000	---	43000 D	30000 J-C
Chlorobenzene	4800	4400	4200	3300	3500	4800	5500	3100	---	3000	2700
Chloroethane	140	140	76	45	60	10 U	10 U	62	---	150 U	800 U
Chloroform	5 U	5 U	5 U	5 U	2 BJ	5 U	5 U	5 U	---	150 U	800 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	19	---	150 U	800 U
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	510 J	---	---
Ethene	---	---	---	---	---	---	---	---	3800	---	---
Ethylbenzene	390	390	440	5 U	230	5 U	5 U	230	---	280	800 UJ-C
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	1200	1200	990	780	660	1100 J	1200 J	820	---	810	800 UJ-C
Methane	---	---	---	---	---	---	---	---	3300	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	8 B	5 U	11	6600 B	6600 B	5 U	---	150 U	800 UJ-C
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	420	280	340	330	240	5 U	5 U	410	---	260	---
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	---	800 UJ-C
Toluene	47000	41000	36000	33000	29000	39000	44000	30000	---	30000 D	20000 J-C
trans-1,2-Dichloroethylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	---	800 UJ-C
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---	800 UJ-C
1,4-Dichlorobenzene	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	150 U	800 U
2,4-Dimethylphenol	88 J	110 J	---	10 U	---	77 J	83 J	35 J	---	220 J	64 J
2-Chlorophenol	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	330 U	400 U
2-Methylphenol	89 J	10 U	---	68 J	---	110 J	93 J	44 J	---	160 J	120 J
4-Chloro-3-Methylphenol	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	---	400 U
4-Methylphenol	1800	1100	---	920	---	2000	1800	640	---	2300	2000
bis(2-Ethylhexyl)Phthalate	250 U	250 U	---	10 U	---	10 U	10 U	8 BJ	---	---	400 U
Naphthalene	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	---	400 U
Nitrobenzene	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	---	400 U

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/17/2000	11/17/2000	5/22/2000	11/4/1999	5/4/1999	11/17/1998	11/17/1998	10/24/1998	1/22/1997	12/29/1996	9/12/1995
Phenol	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	26 J	400 U
Aroclor-1016	0.065 U	0.065 U	---	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 U
Aroclor-1221	0.065 U	0.065 U	---	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 U
Aroclor-1232	0.065 U	0.065 U	---	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 U
Aroclor-1242	0.065 U	0.065 U	---	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 UJ-C
Aroclor-1248	0.065 U	0.065 U	---	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 U
Aroclor-1254	0.065 U	0.065 U	---	0.065 U	---	1 U	1 U	1 U	---	---	0.022 U
Aroclor-1260	0.065 U	0.065 U	---	0.065 U	---	1 U	1 U	1 U	---	---	0.022 U
PCBs, Total	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	4/20/1994	12/30/1993	12/30/1993
1,1-Dichloroethane	250 U	500 U	500 U
1,2-Dichloroethane	250 U	500 U	500 U
1,4-Dichlorobenzene	---	---	---
1,4-Dioxane	---	---	---
2-Butanone	---	---	---
2-Hexanone	---	---	---
4-Methyl-2-Pentanone	---	---	---
Acetone	---	---	---
Benzene	31000	27000	27000 J
Chlorobenzene	2200	1900	1900
Chloroethane	250 U	500 U	500 U
Chloroform	250 U	500 U	500 U
cis-1,2-Dichloroethene	250 U	500 U	500 U
Cyclohexane	---	---	---
Ethane	---	---	---
Ethene	---	---	---
Ethylbenzene	250 U	500 U	500 U
Isopropylbenzene	---	---	---
m,p-Xylenes	550	1100 J	1100 J
Methane	---	---	---
Methyl Acetate	---	---	---
Methylene chloride	250 U	500 U	500 U
Methyl tert-Butyl ether	---	---	---
o-Xylene	---	---	---
Styrene	250 U	500 U	500 U
Toluene	21000	17000	17000
trans-1,2-Dichloroethylene	250 U	500 U	500 U
Vinyl chloride	250 U	500 U	500 U
1,4-Dichlorobenzene	250 U	500 U	500 U
2,4-Dimethylphenol	140	110	110
2-Chlorophenol	5 U	62 U	71 U
2-Methylphenol	160	150	150
4-Chloro-3-Methylphenol	5 U	62 U	71 U
4-Methylphenol	1700 D	1800	1800
bis(2-Ethylhexyl)Phthalate	---	---	---
Naphthalene	---	---	---
Nitrobenzene	---	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	4/20/1994	12/30/1993	12/30/1993
Phenol	39	18 J	22 J
Aroclor-1016	0.023 U	0.022 U	0.09 U
Aroclor-1221	0.023 U	0.022 U	0.09 U
Aroclor-1232	0.023 U	0.022 U	0.09 U
Aroclor-1242	0.023 U	0.022 U	0.09 U
Aroclor-1248	0.023 U	0.022 U	0.09 U
Aroclor-1254	0.023 U	0.022 U	0.09 U
Aroclor-1260	0.023 U	0.022 U	0.09 U
PCBs, Total	---	---	---

Historical Detected Concentrations in OMW-202

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/12/2020	11/12/2020	10/8/2019	10/10/2018	5/30/2018	9/28/2107	10/19/2016	10/21/2015	10/21/2015	12/2/2014	12/6/2013
1,2-Dichloroethane	0.38 J	0.36 J	1 U	1 J	1 U	1 U	1.0 U	1 U	1 U	1.00 U	1.00 U
1,4-Dioxane	---	---	---	---	0.4	0.24	---	---	---	---	0.060 J
Acetone	20 U	21 U	22 U	20 U	20 U	20 U	5.0 U	6 U	6 U	10.0 U	5.00 U
Benzene	6.5	6.3	7	11	11	14	9.6	2	2	1.00 U	1.00 U
Chlorobenzene	0.38 J	0.40 J	0.4 J	0.4 J	1 U	1 U	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U
Chloroform	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U
Chloromethane	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	1.2	1.2	1	1	1	1	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U
Ethane	---	---	---	---	2.7 J	2.4 J	---	---	---	---	---
Methane	---	---	---	---	60	53	---	---	---	---	---
Methylene chloride	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	2 U	1.00 U	1.00 U
Toluene	1.0 U	1.0 U	1 U	1 U	1 U	1 U	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U
Trichloroethene	0.93 J	1.0	1	1	1	1	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-202

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/22/2012	10/17/2011	10/13/2010	10/20/2009	10/14/2008	10/24/2007	11/14/2006	10/18/2005	5/23/2005	10/18/2004	5/17/2004
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.03 JB	1.47 JB	5 U	1 U
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.02
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Chloromethane	1.13 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Ethane	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-202

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/21/2003	5/19/2003	10/1/2002	5/14/2002	10/17/2001	5/8/2001	11/17/2000	5/17/2000	11/3/1999	5/3/1999	10/23/1998	12/28/1996
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	10 U	10 U	10 U	29	74	10 U	140	10 U	10 U	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6	5 U	6.5
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 BJ	3 J	0.5 U
Chloromethane	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	0.5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	0.5
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	2 BJ	5 U	3 BJ	5 B	4 BJ	5 U	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1.1
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	2 J	0.9
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-202

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	9/13/1995	4/20/1994	12/30/1993
1,2-Dichloroethane	0.5 U	1 U	0.5 U
1,4-Dioxane	---	---	---
Acetone	---	---	---
Benzene	18 J-C	13	11 J
Chlorobenzene	1.8 J-C	1.2	0.7
Chloroform	1.3	1 U	0.5 U
Chloromethane	0.5 U	1 U	0.5 U
cis-1,2-Dichloroethene	2.4 J-C	2	1.1
Ethane	---	---	---
Methane	---	---	---
Methylene chloride	0.5 U	1 U	0.5 U
Toluene	0.5 UJ-C	1 U	1
Trichloroethene	5.8 J-C	3.2	1.7
Aroclor-1016	0.022 U	0.023 U	0.09 U
Aroclor-1221	0.022 U	0.023 U	0.09 U
Aroclor-1232	0.022 U	0.023 U	0.09 U
Aroclor-1242	0.022 UJ-C	0.023 U	0.09 U
Aroclor-1248	0.022 U	0.023 U	0.09 U
Aroclor-1254	0.022 U	0.023 U	0.09 U
Aroclor-1260	0.022 U	0.023 U	0.09 U

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	6/6/2014	5/24/2011	12/15/2009	10/22/2009	10/15/2008	10/25/2007	11/15/2006	10/19/2005	5/24/2005	10/20/2004	5/18/2004
1,1,1-Trichloroethane	203	10000 U	5000 U	5000 U	5000 U	500 U	500 U	500 U	50 U	200 U	87.3
1,1,2,2-Tetrachloroethane	100 U	10000 U	5000 U	5000 U	5000 U	500 U	500 U	500 U	50 U	200 U	1.02
1,1-Dichloroethane	999	10000 U	1690 J	1170 J	5000 U	707	635	995	1270	1010	953
1,1-Dichloroethene	193	10000 U	5000 U	5000 U	5000 U	107 J	137 J	185 J	272	200 U	172
1,2-Dichloroethane	2550	3170 J	3910 J	2840 J	2200 J	1910	2010	2360	2650	2260	2270
1,2-Dichloropropane	100 U	10000 U	5000 U	5000 U	5000 U	500 U	500 U	500 U	50 U	200 U	1.85
2-Butanone	3470	3240 J	3780 J	2380 J	5000 U	500 U	500 U	500 U	2960	200 U	2230
4-Methyl-2-Pentanone	879	10000 U	1090 J	5000 U	5000 U	500 U	500 U	749	731	200 U	733
Acetone	5910 J	11800	11700	9990	5000 U	4050	4560	5650	6680 B	4860 B	5960 B
Benzene	44500	65100	92200	58900	46200	36500	36100	45500	57500	47000	41300
Chlorobenzene	8010	10600	17100	9640	7320	6080	6410	8210	9240	7090 J	7260
Chloroethane	100 UJ	10000 U	5000 U	5000 U	5000 U	500 U	500 U	500 U	16.9 J	200 U	19.9
Chloroform	825	10000 U	1760 J	5000 U	5000 U	172 J	269 J	437 J	902	290 J	530
Chloromethane	100 U	10000 U	5000 U	5000 U	5000 U	500 U	500 U	500 U	50 U	200 U	11
cis-1,2-Dichloroethene	16100	18600	26000	13100	12300	10300	9850	12800	14200	11900	11100
Ethylbenzene	460	10000 U	1190 J	5000 U	5000 U	437 J	430 J	593	811	490 J	586
m,p-Xylenes	1530	---	---	---	1540 J	---	---	1770	2420	1360	1640
Methylene chloride	1360	2330 J	3790 J	2960 J	3760 J	3160	3140	2950	5280	4000	4370
o-Xylene	531	10000 U	1170 J	5000 U	5000 U	464 J	468 J	687	768	544 J	631
Styrene	100 U	10000 U	5000 U	5000 U	5000 U	500 U	500 U	500 U	50 U	200 U	36.6
Tetrachloroethene	100 U	10000 U	5000 U	5000 U	5000 U	500 U	500 U	500 U	50 U	200 U	17.8
Toluene	22900	37000	51500	31300	23400	18900	20200	24400	31200	19700	22100
trans-1,2-Dichloroethylene	100 U	10000 U	5000 U	5000 U	5000 U	500 U	500 U	500 U	22.4 J	200 U	15.4
Trichloroethene	173	10000 U	5000 U	5000 U	5000 U	500 U	113 J	265 J	596	295 J	419
Vinyl Chloride	673	10000 U	1700 J	5000 U	5000 U	650	590	894	1140	728 J	782
1,2,4-Trichlorobenzene	123	82.7	---	---	100	---	---	157 J	---	154	---
1,2-Dichlorobenzene	100 U	3.1 J	---	---	9.07 J	---	---	92.6 U	---	46.3 U	---
1,3-Dichlorobenzene	100 U	3.31 J	---	---	10 U	---	---	92.6 U	---	46.3 U	---
1,4-Dichlorobenzene	100 U	16.2 J	---	---	23.6	---	---	27.7 J	---	46.3 U	---
2,4-Dimethylphenol	---	123	---	---	76.7	---	---	140	---	46.3 U	---
2-Chlorophenol	---	138	---	---	127 E	---	---	121	---	144	---
2-Methylphenol	---	733 J	---	---	574	---	---	733	---	568	---
4-Chloro-3-Methylphenol	---	18.5 U	---	---	23.6	---	---	92.6 U	---	46.3 U	---
4-Methylphenol	---	2920	---	---	2280	---	---	2110	---	2300	---
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	93.2	---	---	10 U	---	---	92.6 U	---	46.3 U	---
Naphthalene	---	104	---	---	81.4	---	---	92.6 U	---	46.3 U	---

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	6/6/2014	5/24/2011	12/15/2009	10/22/2009	10/15/2008	10/25/2007	11/15/2006	10/19/2005	5/24/2005	10/20/2004	5/18/2004
Nitrobenzene	---	18.5 U	---	---	10 U	---	---	32.5 J	---	46.3 U	---
Phenol	---	5820	---	---	4010	---	---	4590	---	5730 E	---
Aroclor-1016	---	0.05 U	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---
Aroclor-1221	---	0.05 U	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---
Aroclor-1232	---	0.05 U	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---
Aroclor-1242	---	0.05 U	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---
Aroclor-1248	---	0.05 U	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---
Aroclor-1254	---	0.05 U	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---
Aroclor-1260	---	0.05 U	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/23/2003	5/21/2003	10/2/2002	5/15/2002	10/18/2001	5/9/2001	11/17/2000	5/19/2000	11/4/1999	5/4/1999	10/22/1998	12/29/1996
1,1,1-Trichloroethane	22.4 J	500 U	230	120	280	230	390	570	360	220	53	1000 U
1,1,2,2-Tetrachloroethane	50 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1000 U
1,1-Dichloroethane	757	890	1300	710	1200	320	2600	1200	760	750	290	1000 U
1,1-Dichloroethene	95.1	500 U	280	120	250	63 J	450	240	130	200	18	1000 U
1,2-Dichloroethane	2010	2290	5 U	5 U	5 U	42	5 U	2600	5 U	840	1300	2100
1,2-Dichloropropane	50 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1000 U
2-Butanone	50 U	500 U	3000 J	1900	1900	750	3600	1100	1200	1100	1300	---
4-Methyl-2-Pentanone	50 U	500 U	410	700	500	240	510	370	300	250	330	---
Acetone	5880	5840	6800	5700	8000	2500	9500	10000	11000	11000	7200	---
Benzene	47100 E	58000	48000	54000	64000	75000	63000	66000	52000	47000	13000	39000
Chlorobenzene	6230	8620	7600	8900	11000	11000	8600	9900	6700	5 U	1300	2600
Chloroethane	11 J	500 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1000 U
Chloroform	244	500 U	1000	720	1200	590	1400	1200	1000	5 U	390	1000 U
Chloromethane	14.4 J	500 U	10 U	10 U	10 U	10 U	10 U	26	10 U	10 U	10 U	1000 U
cis-1,2-Dichloroethene	11100 E	14400	12000	11000	18000	18000	17000	18000	16000	12000	4700	12000
Ethylbenzene	435	557	630	770	530	300	610	520	5 U	420	5 U	1000 U
m,p-Xylenes	1180	1610	2000	2100	2000	800	1600	1400	840	1000	150	2000 U
Methylene chloride	4510	4370	3500	5500	5500	1600	10000 E	4000 B	5800	8500	3000	4000
o-Xylene	459	590	750	810	700	300	670	630	420	440	120	1000 U
Styrene	50 U	500 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1000 U
Tetrachloroethene	50 U	500 U	16	33	34	15	21	33	16	26	5 U	1000 U
Toluene	17600 E	26800	23000	28000	29000	31000	27000	26000	21000	22000	4300	12000
trans-1,2-Dichloroethylene	50 U	500 U	5 U	5 U	18	5 U	5 U	5 U	5 U	5 U	5 U	1000 U
Trichloroethene	226	500 U	460	480	830	410	740	1100	670	630	200	1000 U
Vinyl Chloride	623	630	1500	520	1000	240	2100	1300	1400	1400	170	1000 U
1,2,4-Trichlorobenzene	9.26 U	---	140	---	110 J	---	38 J	---	51 J	---	10 U	---
1,2-Dichlorobenzene	9.26 U	---	100 U	---	200 U	---	200 U	---	10 U	---	10 U	1000 U
1,3-Dichlorobenzene	9.26 U	---	100 U	---	200 U	---	200 U	---	10 U	---	10 U	1000 U
1,4-Dichlorobenzene	18.8	---	100 U	---	22 J	---	200 U	---	10 U	---	10 U	1000 U
2,4-Dimethylphenol	9.26 U	---	47 J	---	120 J	---	88 J	---	110	---	58 J	85 J
2-Chlorophenol	105	---	100 U	---	72 J	---	69 J	---	48 J	---	55 J	51 J
2-Methylphenol	185	---	430	---	440	---	420	---	370	---	340	340
4-Chloro-3-Methylphenol	9.26 U	---	100 U	---	200 U	---	200 U	---	10 U	---	10 U	250 U
4-Methylphenol	1380	---	1400	---	1200	---	1200	---	1000	---	990	1000
Benzoic Acid	---	---	500 U	---	---	---	---	---	340	---	900	---
bis(2-Ethylhexyl)Phthalate	253	---	100 U	---	200 U	---	200 U	---	10 U	---	10 U	---
Naphthalene	4.7 J	---	100 U	---	80 J	---	200 U	---	10 U	---	10 U	---

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/23/2003	5/21/2003	10/2/2002	5/15/2002	10/18/2001	5/9/2001	11/17/2000	5/19/2000	11/4/1999	5/4/1999	10/22/1998	12/29/1996
Nitrobenzene	9.26 U	---	100 U	---	200 U	---	200 U	---	10 U	---	10 U	---
Phenol	3310	---	1800 E	---	1600	---	1700	---	1500	---	1500	250 J
Aroclor-1016	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.070 U	---	0.5 U	---
Aroclor-1221	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.070 U	---	0.5 U	---
Aroclor-1232	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.070 U	---	0.5 U	---
Aroclor-1242	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.070 U	---	0.5 U	---
Aroclor-1248	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.070 U	---	0.5 U	---
Aroclor-1254	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.070 U	---	1 U	---
Aroclor-1260	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.070 U	---	1 U	---

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	9/13/1995	12/12/1994	4/19/1994	12/30/1993
1,1,1-Trichloroethane	500 U	1000 U	610	500 U
1,1,2,2-Tetrachloroethane	500 U	1000 U	500 UJ-C	500 UJ
1,1-Dichloroethane	500 U	1000 U	500 U	500 U
1,1-Dichloroethene	500 U	1000 U	500 U	500 U
1,2-Dichloroethane	500 U	1700	2000	1700
1,2-Dichloropropane	500 U	1000 U	500 U	500 UJ
2-Butanone	---	---	---	---
4-Methyl-2-Pentanone	---	---	---	---
Acetone	---	---	---	---
Benzene	18000 J-C	44000	41000	32000 J
Chlorobenzene	3400 J-C	6100	5400	4400
Chloroethane	500 U	1000 U	500 U	500 U
Chloroform	2200 J-C	2700	2900	2300
Chloromethane	500 U	1000 U	500 U	500 U
cis-1,2-Dichloroethene	6400 J-C	11000	12000	8500
Ethylbenzene	500 UJ-C	1000 U	520	500 U
m,p-Xylenes	1000 UJ-C	2000 U	1900	2100 J
Methylene chloride	2100	3700	500 U	500 U
o-Xylene	---	---	---	---
Styrene	500 UJ-C	1000 U	500 U	500 UJ
Tetrachloroethene	500 U	1000 U	500 U	500 U
Toluene	5900 J-C	15000	18000	13000
trans-1,2-Dichloroethylene	500 U	1000 U	500 U	500 U
Trichloroethene	500 U	1500	1300	1200
Vinyl Chloride	500 U	1000 U	500 U	500 U
1,2,4-Trichlorobenzene	110 J	---	---	---
1,2-Dichlorobenzene	500 U	1000 U	500 U	500 U
1,3-Dichlorobenzene	500 U	1000 U	500 U	500 U
1,4-Dichlorobenzene	500 U	1000 U	500 U	500 U
2,4-Dimethylphenol	100 J	---	100 D	76 J
2-Chlorophenol	58 J	---	56	65 J
2-Methylphenol	380 J	---	420 D	460
4-Chloro-3-Methylphenol	430 U	---	5 U	120 U
4-Methylphenol	1100	---	1100 D	1500
Benzoic Acid	870 J	---	---	---
bis(2-Ethylhexyl)Phthalate	430 U	---	---	---
Naphthalene	430 U	---	---	---

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	9/13/1995	12/12/1994	4/19/1994	12/30/1993
Nitrobenzene	430 U	---	---	---
Phenol	1800	---	2300 D	3000
Aroclor-1016	0.022 U	---	0.023 U	0.09 U
Aroclor-1221	0.022 U	---	0.023 U	0.09 U
Aroclor-1232	0.022 U	---	0.023 U	0.09 U
Aroclor-1242	0.022 UJ-C	---	0.023 U	0.09 U
Aroclor-1248	0.022 U	---	0.023 U	0.09 U
Aroclor-1254	0.022 U	---	0.023 U	0.09 U
Aroclor-1260	0.022 U	---	0.023 U	0.09 U

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/11/2020	6/16/2020	10/9/2019	5/15/2019	10/11/2018	10/11/2018	6/20/2018	6/20/2018	9/29/2017	9/29/2017	5/31/2017
1,1-Dichloroethane	1.0 U	1.0 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.31 J	1.0 U	1 U	0.3 J	0.3 J	---	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	5.0 U	5.0 U	5 U	5 U	5 U	---	5 U	5 U	5 U	5 U	5 U
1,4-Dichlorobenzene	0.27 J	0.38 J	0.4 J	0.4 J	0.5 J	---	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	2.8	2.6	4	4	3	3	3	3	4.0 J	---	3.8
Acetone	20 U	20 U	20 U	20 U	20 U	---	20 U	20 U	20 U	20 U	20 U
Benzene	0.66 J	0.70 J	0.8 J	0.7 J	0.8 J	---	0.8 J	0.8 J	1 J	1	1
Chlorobenzene	44	51	58	42	62	---	52	53	64	70	67
Chloroethane	1.0 U	1.0 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U	1 U
Chloroform	1.0 U	1.0 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U	1 U
Chloromethane	1.0 U	1.0 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	3.4	3.2	4	3	4	---	3	3	4	4	4
Ethane	---	---	---	---	---	---	---	---	15	---	---
Ethene	---	---	---	---	---	---	---	---	5.0 U	---	---
Methane	---	---	---	---	---	---	---	---	110	---	---
Methylene chloride	1.0 U	1.0 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U	4 U
Toluene	1.0 U	1.0 U	1 U	1 U	1 U	---	1 U	1 U	1 U	1 U	1 U
Trichloroethene	0.40 J	0.46 J	0.6 J	0.5 J	0.6 J	---	1 U	0.5 J	0.6 J	0.6 J	0.7 J
Vinyl Chloride	0.55 J	0.49 J	0.7 J	0.4 J	0.6 J	---	1 UJ	1 UJ	0.7 J	0.8 J	0.7 J
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/31/2017	10/19/2016	10/19/2016	5/17/2016	10/21/2015	10/21/2015	5/12/2015	12/3/2014	12/3/2014	6/6/2014	6/6/2014
1,1-Dichloroethane	1 U	1.0 U	---	1 U	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---
1,2-Dichloroethane	1 U	1.0 U	---	1 U	0.5 J	0.5 U	1 U	1.00 U	---	1.00 U	---
1,3-Dichlorobenzene	5 U	1.0 U	---	1 U	1 U	1 U	1 U	0.597 J	---	1.00 U	---
1,4-Dichlorobenzene	5 U	1.4	---	1	2 J	1 J	1 U	1.44	---	1.11	---
1,4-Dioxane	3.8	12	11	16	6.6	---	10	14	14	17	17
Acetone	20 U	5.1 U	---	5 U	6 U	6 U	5 U	10.0 U	---	10.0 UJ	---
Benzene	1	2.6	---	2	3	1	1	2.39	---	2.25	---
Chlorobenzene	69	125	---	120	120 J	65 J	53	152	---	67.6	---
Chloroethane	1 U	1.0 U	---	1 U	0.5 U	0.5 U	1 U	0.960 J	---	1.00 UJ	---
Chloroform	1 U	1.0 U	---	1 U	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---
Chloromethane	1 U	1.0 U	---	1 U	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---
cis-1,2-Dichloroethene	4	6.8	---	6	6 J	3 J	3	6.86	---	4.57	---
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	4 U	1.0 U	---	1 U	2 U	2 U	1 U	1.00 U	---	1.00 U	---
Toluene	1 U	1.0 U	---	1 U	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---
Trichloroethene	0.6 J	1.0 U	---	1 U	0.8 J	0.5 U	1 U	1.30	---	0.745 J	---
Vinyl Chloride	0.7 J	1.5	---	1	1	0.7 J	1 U	1.64	---	0.728 J	---
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	12/5/2013	5/9/2013	10/24/2012	5/22/2012	10/19/2011	5/24/2011	10/14/2010	5/18/2010	10/22/2009	5/20/2009	10/15/2008
1,1-Dichloroethane	1.00 U	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	1.2 J	50 U
1,2-Dichloroethane	1.00 U	5 U	1.04 J	25 U	25 U	25 U	50 U	50 U	50 U	1.87 J	50 U
1,3-Dichlorobenzene	1.00 U	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	1.72	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	16	---	---	---	---	---	---	---	---	---	---
Acetone	5.00 U	5 U	5 U	25 U	25 U	5.49 J	50 U	50 U	50 U	5 U	50 U
Benzene	6.36	13.3	32.6	34.5	31.8	9.49 J	82.4	113	182	64.7	23.3 J
Chlorobenzene	141	220	231	306	304	152	337	498	486	499	422
Chloroethane	1.37	3 J	4.92 J	5.15 J	6.86 J	25 U	50 U	12.1 J	50 U	10.6	50 U
Chloroform	1.00 U	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	5 U	50 U
Chloromethane	1.00 U	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	5 U	50 U
cis-1,2-Dichloroethene	8.27	10.5	13.2	15.1 J	19.2 J	8.23 J	17.9 J	29.8 J	24 J	31	17.5 J
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	1.00 U	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	5 U	50 U
Toluene	1.00 U	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	5 U	50 U
Trichloroethene	1.37	1.18 J	1.66 J	25 U	25 U	25 U	50 U	50 U	50 U	4.54 J	50 U
Vinyl Chloride	2.15	2.45 J	4.63 J	25 U	5.63 J	25 U	50 U	50 U	50 U	4.94 J	50 U
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/25/2007	11/14/2006	10/19/2005	5/24/2005	10/20/2004	10/20/2004	5/18/2004	10/22/2003	5/20/2003	10/2/2002	10/2/2002
1,1-Dichloroethane	5 U	5 U	1.01 J	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	1.77 J	2.05 J	2.12 J	2.2 J	2.16 J	2.04 J	2.04	1.64 J	5 U	5 U	5 U
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	1.77 JB	5 U	1 U	5 U	5 U	10 U	10 U
Benzene	3.88 J	2.45 J	3.22 J	2.7 J	3.46 J	3.27 J	2.95	3.37 J	5 U	4 J	4 J
Chlorobenzene	370	379	444	472	396	391	505	629	589	690	680
Chloroethane	8.38	14.1	16.9	12.6	12.8	13.1	12.1	14.9	14	24	21
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	10 U	110
cis-1,2-Dichloroethene	20.4	17.4	21.1	21.6	21.1	21.3	21.1	26.7	25.5	28	28
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Trichloroethene	4.61 J	4.58 J	5.45	5.58	4.84 J	4.59 J	5.11	5.77	5.97	5 U	5 U
Vinyl Chloride	5.49	6.55	7.92	8.09	6.96	7.04	7.52	7.58	7.79	12	13
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/14/2002	10/17/2001	10/17/2001	5/8/2001	11/16/2000	5/18/2000	5/18/2000	11/3/1999	5/4/1999	10/24/1998	1/22/1997	12/27/1996
1,1-Dichloroethane	5 U	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	15 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	15 U
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---
Benzene	6	7	7	7	9	8	9	12	16	35	---	67
Chlorobenzene	590	660	670	520	720	510	720	600	690	790	---	360
Chloroethane	11	20	20	10 U	10 U	20	29	27	34	19	---	15 U
Chloroform	5 U	1 J	5 U	5 U	5 U	1 J	1 J	5 U	2 BJ	5 U	---	15 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	15 U
cis-1,2-Dichloroethene	16	29	29	23	30	26	30	35	32	42	---	70
Ethane	---	---	---	---	---	---	---	---	---	---	59	---
Ethene	---	---	---	---	---	---	---	---	---	---	3.6 J	---
Methane	---	---	---	---	---	---	---	---	---	---	420	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 J	5 U	---	15 U
Toluene	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3 J	---	15 U
Trichloroethene	5 U	6	6	6	6	5	7	6	7	9	---	15 U
Vinyl Chloride	5 J	8 J	9 J	4 J	10 U	7 J	13	25	29	55	---	15 U
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---	1.2 J
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---	1.2 J
Phenol	---	---	---	---	---	---	---	---	---	---	---	10 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	9/14/1995	9/13/1995	12/10/1994	4/19/1994	12/30/1993
1,1-Dichloroethane	12 U	---	10 U	1 U	3.2 U
1,2-Dichloroethane	12 U	---	10 U	3	3.2
1,3-Dichlorobenzene	12 U	11 U	10 U	1 U	3.2 U
1,4-Dichlorobenzene	12U	11 U	10 U	1 U	3.2 U
1,4-Dioxane	---	---	---	---	---
Acetone	---	---	---	---	---
Benzene	89 J-CS	---	110	170	180 J
Chlorobenzene	630 J-CS	---	400	280	210
Chloroethane	25 J-CS	---	18	6.3	4
Chloroform	12 U	---	10 U	1 U	3.2 U
Chloromethane	12 U	---	10 U	1 U	3.2 U
cis-1,2-Dichloroethene	76 J-CS	---	87	51 D	120
Ethane	---	---	---	---	---
Ethene	---	---	---	---	---
Methane	---	---	---	---	---
Methylene chloride	12 U	---	10 U	1 U	3.2 U
Toluene	12 UJ-C	---	10 U	1 U	3.2 U
Trichloroethene	12 U	---	10 U	11	11
Vinyl Chloride	30 J-CS	---	20	24	47
2,4-Dimethylphenol	---	11 U	---	5 U	10 U
4-Methylphenol	---	11 U	---	5 U	10 U
Phenol	---	11 U	---	3 J	10 U
Aroclor-1016	---	0.022 U	---	0.023 U	0.09 U
Aroclor-1221	---	0.022 U	---	0.023 U	0.09 U
Aroclor-1232	---	0.022 U	---	0.023 U	0.09 U
Aroclor-1242	---	0.022 UJ-C	---	0.023 U	0.09 U
Aroclor-1248	---	0.022 U	---	0.023 U	0.09 U
Aroclor-1254	---	0.022 U	---	0.023 U	0.09 U
Aroclor-1260	---	0.022 U	---	0.023 U	0.09 U

Historical Detected Concentrations in OMW-206

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/10/2019	5/25/2018	9/27/2017	10/20/2015	12/5/2013	10/23/2012	10/18/2011	10/11/2010	10/21/2009	10/13/2008	10/23/2007
1,4-Dioxane	0.3 U	0.3 U	0.20 U	0.19 U	0.026 J	---	---	---	---	---	---
Acetone	20 U	20 U	20 U	6 U	5.00 U	5 U	5 U	1.37 J	5 U	5 U	5 U
Benzene	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylenes	5 U	1 U	1 U	0.5 U	---	---	---	---	---	5 U	---
Methane	---	---	110	---	---	---	---	---	---	---	---
Methylene chloride	1 U	1 U	1 U	2 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1221	---	---	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1232	---	---	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1242	---	---	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1248	---	---	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1254	---	---	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1260	---	---	---	---	---	---	0.05 U	---	---	0.05 U	---

Historical Detected Concentrations in OMW-206

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/13/2006	10/17/2005	10/19/2004	10/21/2003	12/20/2002	10/3/2002	10/15/2001	11/14/2000	11/2/1999	10/21/1998	12/29/1996
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	---
Benzene	5 U	5 U	5 U	5 U	10 U	74	10 U	10 U	10 U	5 U	0.5 U
Chlorobenzene	5 U	5 U	5 U	5 U	10 U	23	10 U	10 U	5 U	5 U	0.5 U
Chloroform	5 U	5 U	5 U	5 U	3 J	10 U	10 U	10 U	5 U	5 U	0.5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	10 U	4 J	10 U	10 U	5 U	5 U	0.5 U
m,p-Xylenes	---	5 U	5 U	5 U	10 U	3 J	10 U	10 U	5 U	5 U	1 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	5 U	5 B	0.5 U
Toluene	5 U	5 U	5 U	5 U	10 U	110	10 U	10 U	5 U	5 U	0.58
Aroclor-1016	0.05 U	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	0.05 U	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	0.05 U	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	0.05 U	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	0.05 U	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	0.05 U	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	0.05 U	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-206

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	9/13/1995	4/19/1994	12/30/1993
1,4-Dioxane	---	---	---
Acetone	---	---	---
Benzene	0.5 UJ-C	1 U	0.5 UJ
Chlorobenzene	0.5 U	1 U	0.5 UJ
Chloroform	0.5 U	1 U	0.5 UJ
cis-1,2-Dichloroethene	0.5 U	1 U	0.5 UJ
m,p-Xylenes	1 UJ-C	1 U	1 UJ
Methane	---	---	---
Methylene chloride	0.5 U	1 U	0.5 UJ
Toluene	0.5 UJ-C	1 U	0.5 UJ
Aroclor-1016	0.022 U	0.022 U	0.09 U
Aroclor-1221	0.022 U	0.022 U	0.09 U
Aroclor-1232	0.022 U	0.022 U	0.09 U
Aroclor-1242	0.022 UJ-C	0.022 U	0.09 U
Aroclor-1248	0.022 U	0.022 U	0.09 U
Aroclor-1254	0.022 U	0.022 U	0.09 U
Aroclor-1260	0.022 U	0.022 U	0.09 U

Historical Detected Concentrations in OMW-211

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/24/2011	12/15/2009	10/15/2008	10/25/2007	11/15/2006	10/19/2005	5/24/2005	10/20/2004	5/18/2004	10/23/2003	10/23/2003
1,1,1-Trichloroethane	23.3 J	28.3 J	1000 U	500 U	100 U	14.6	17.9	13	10.6	9.08	8.09 J
1,1-Dichloroethane	40.6	83 J	200 J	500 U	96.9 J	90.2	99.1	85.1	72.9	53.3	10.2
1,1-Dichloroethene	7.68 J	100 U	1000 U	500 U	100 U	24.1	25.8	19.4	14.6	11.6	11.3 J
1,2-Dichloroethane	135	278	615 J	318 J	284	339	362	272	264	273	281
4-Methyl-2-Pentanone	25 U	100 U	1000 U	500 U	100 U	5 U	5 U	5 U	1 U	5 U	25 U
Acetone	7.57 J	100 U	1000 U	500 U	100 U	5 U	32.4 B	5 U	1 U	5 U	25 U
Benzene	200	219	17300	6830	6010	6300	8530	5730	3930	5220	5890 E
Chlorobenzene	59.3	101	2750	1080	965	1030	1160	884	668	724	190
Chloroethane	25 U	100 U	1000 U	500 U	100 U	1.77 J	1.53 J	1.21 J	1 U	1.43	25 U
Chloroform	107	202	437 J	234 J	256	310	352	286	258	309	306
cis-1,2-Dichloroethene	237	662	3850	1870	1520	1720	2040	1780	1380	1430	1610
Ethene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	---	---	1000 U	---	---	5 U	5 U	5 U	1 U	5 U	25 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	17.4 J	141	1000 U	500 U	100 U	73.7	110	87.8	51.9	183	185
o-Xylene	25 U	100 U	1000 U	500 U	100 U	16.5	22.6	16.8	14.4	21.9	13.6 J
Tetrachloroethene	25 U	100 U	1000 U	500 U	100 U	2.89 J	3.31 J	2.71 J	2.15	3.32 J	25 U
Toluene	25 U	60.3 J	1000 U	500 U	100 U	4.96 J	5.71	5	4.52	4.68 J	25 U
trans-1,2-Dichloroethylene	25 U	100 U	1000 U	500 U	100 U	6.08	5.77	4.19 J	4.8	2.04 J	25 U
Trichloroethene	103	158	308 J	151 J	193	231	264	227	218	256	247
Vinyl Chloride	10.8 J	34.9 J	511 J	201 J	187	221	198	165	120	163	155
1,2,4-Trichlorobenzene	---	---	9.24 J	---	---	4.16 J	---	18.5 U	---	3.4 J	3.31 J
1,2-Dichlorobenzene	---	---	9.26 U	---	---	18.7 U	---	18.5 U	---	1.46 J	1.22 J
1,4-Dichlorobenzene	---	---	9.26 U	---	---	2.89 J	---	18.5 U	---	9.26 U	9.26 U
2,4-Dimethylphenol	---	---	9.26 U	---	---	3.77 J	---	18.5 U	---	9.26 U	9.26 U
2-Chlorophenol	---	---	9.26 U	---	---	18.7 U	---	18.5 U	---	9.26 U	9.26 U
2-Methylphenol	---	---	9.26 U	---	---	18.7 U	---	18.5 U	---	9.26 U	9.26 U
bis(2-Ethylhexyl)Phthalate	---	---	9.26 U	---	---	18.7 U	---	18.5 U	---	1.62 J	9.26 U
Naphthalene	---	---	15.9	---	---	18.7 U	---	18.5 U	---	9.26 U	9.26 U
Phenol	---	---	8.67 J	---	---	57.9	---	18.5 U	---	6.27 J	3.81 J
Aroclor-1016	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1221	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1232	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1242	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1248	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1254	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1260	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U

Historical Detected Concentrations in OMW-211

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/21/2003	10/3/2002	5/14/2002	10/19/2001	5/9/2001	5/9/2001	11/17/2000	11/17/2000	5/19/2000	11/4/1999	10/22/1998	1/16/1997
1,1,1-Trichloroethane	10.8	5	8	10	11	11	5 U	11	15	7	12	---
1,1-Dichloroethane	59.3	25	28	64	31	25	60	57	45	24	33	---
1,1-Dichloroethene	11.7	7	5 U	15	8	7	5 U	5 U	12	7	5 U	---
1,2-Dichloroethane	234	5 U	5 U	5 U	42	31	5 U	5 U	300	5 U	150	---
4-Methyl-2-Pentanone	5 U	16	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---
Acetone	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---
Benzene	4820	4200	5600	6200	5500	5500	6200	6100	4100	3100	6100	---
Chlorobenzene	668	550	780	890	720	720	700	810	650	430	930	---
Chloroethane	5 U	10 U	10 U	3 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---
Chloroform	279	140	370	410	360	560 B	360	370	320 B	290	450	---
cis-1,2-Dichloroethene	1410	1000	1700	2100	1600	1900	1800	1800	1500	1200	2100	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	9
m,p-Xylenes	5 U	3 J	15	5 U	5 U	5 U	18	18	15	5 U	5 U	---
Methane	---	---	---	---	---	---	---	---	---	---	---	90
Methylene chloride	111	51	57	190	100	81 B	250	230 E	1200	150	670	---
o-Xylene	17.5	13	20	20	17	5 U	5 U	5 U	5 U	12	43	---
Tetrachloroethene	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---
Toluene	5 U	38	3 J	4 J	4 J	3 J	3 J	3 J	5 J	2 J	6	---
trans-1,2-Dichloroethylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---
Trichloroethene	225	120	170	300	260	260	260	290	260	150	410	---
Vinyl Chloride	96	120	55	150	63	57	130	120	230 E	230 E	130	---
1,2,4-Trichlorobenzene	---	5 U	---	2 J	---	---	2 J	2 J	---	10 U	10 U	---
1,2-Dichlorobenzene	---	5 U	---	10 U	---	---	10 U	10 U	---	10 U	10 U	---
1,4-Dichlorobenzene	---	5 U	---	1 J	---	---	2 J	2 J	---	10 U	3 J	---
2,4-Dimethylphenol	---	5 U	---	10 U	---	---	10 U	10 U	---	10 J	15	---
2-Chlorophenol	---	5 U	---	10 U	---	---	10 U	10 U	---	10 U	10 U	---
2-Methylphenol	---	5 U	---	10 U	---	---	10 U	10 U	---	10 U	10 U	---
bis(2-Ethylhexyl)Phthalate	---	5 U	---	1 J	---	---	10 U	10 U	---	4 BJ	9 BJ	---
Naphthalene	---	5 U	---	3 J	---	---	10 U	10 U	---	10 U	10 U	---
Phenol	---	5 U	---	1 J	---	---	10 U	10 U	---	7 J	10 U	---
Aroclor-1016	---	0.065 U	---	0.065 U	---	---	0.065 U	0.065 U	---	0.068 U	0.5 U	---
Aroclor-1221	---	0.065 U	---	0.065 U	---	---	0.065 U	0.065 U	---	0.068 U	0.5 U	---
Aroclor-1232	---	0.065 U	---	0.065 U	---	---	0.065 U	0.065 U	---	0.068 U	0.5 U	---
Aroclor-1242	---	0.065 U	---	0.065 U	---	---	0.065 U	0.065 U	---	0.068 U	0.5 U	---
Aroclor-1248	---	0.065 U	---	0.065 U	---	---	0.065 U	0.065 U	---	0.068 U	0.5 U	---
Aroclor-1254	---	0.065 U	---	0.065 U	---	---	0.065 U	0.065 U	---	0.068 U	1 U	---
Aroclor-1260	---	0.065 U	---	0.065 U	---	---	0.065 U	0.065 U	---	0.068 U	1 U	---

Historical Detected Concentrations in OMW-211

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	12/27/1996	9/13/1995	3/2/1995	12/10/1994
1,1,1-Trichloroethane	50 U	50 U	50 U	100 U
1,1-Dichloroethane	50 U	50 U	50 UJ-C	100 U
1,1-Dichloroethene	50 U	50 U	50 U	100 U
1,2-Dichloroethane	240	50 U	150	150
4-Methyl-2-Pentanone	---	---	---	---
Acetone	---	---	---	---
Benzene	3500	3100 J-C	1300 J-C	4400
Chlorobenzene	350	500 J-C	230	500
Chloroethane	50 U	50 U	50 UJ-C	100 U
Chloroform	410	490	300 J-C	430
cis-1,2-Dichloroethene	1600	960 J-C	590	1100
Ethene	---	---	---	---
m,p-Xylenes	100 U	100 UJ-C	100 UJ-C	200 U
Methane	---	---	---	---
Methylene chloride	490	450	490 J-C	610
o-Xylene	50 U	---	---	---
Tetrachloroethene	50 U	50 U	50 U	100 U
Toluene	50 U	50 UJ-C	50 UJ-C	100 U
trans-1,2-Dichloroethylene	50 U	50 U	50 U	100 U
Trichloroethene	370	340 J-C	250 J-C	490
Vinyl Chloride	50 U	50 UJ-C	50 U	100 U
1,2,4-Trichlorobenzene	---	16 U	---	---
1,2-Dichlorobenzene	50 U	50 U	50 U	100 U
1,4-Dichlorobenzene	50 U	50 U	50 U	100 U
2,4-Dimethylphenol	6.3 J	16 U	3 J	2 J
2-Chlorophenol	10 U	2 J	2 J	2 J
2-Methylphenol	6.5 J	16 U	5 U	5 U
bis(2-Ethylhexyl)Phthalate	---	2 J	---	---
Naphthalene	---	16 U	---	---
Phenol	6.8 J	16 U	1 J	5
Aroclor-1016	---	0.022 U	---	0.022 U
Aroclor-1221	---	0.022 U	---	0.022 U
Aroclor-1232	---	0.022 U	---	0.022 U
Aroclor-1242	---	0.022 UJ-C	---	0.022 U
Aroclor-1248	---	0.022 U	---	0.022 U
Aroclor-1254	---	0.022 U	---	0.022 U
Aroclor-1260	---	0.022 U	---	0.022 U

Historical Detected Concentrations in OMW-212

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/8/2019	5/25/2018	9/25/2017	10/18/2016	10/21/2015	12/2/2014	12/4/2013	10/24/2012	10/19/2011	10/13/2010	12/15/2009
1,4-Dioxane	---	0.7	1.1	---	---	---	1.3	---	---	---	---
2-Butanone	3 J	10 U	10 U	1.0 U	10 U	5.00 U	1.00 U	5 U	5 U	5 U	5 U
Acetone	46	27	25	34.8	22	10.0 U	10.6	71.1	21.4	19	14.4
Chloroform	1 U	1 U	1 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U
Methane	---	---	3.8 J	---	---	---	---	---	---	---	---
Methylene chloride	1 U	1 U	1 U	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U
Toluene	1 U	1 U	1 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-212

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/19/2009	10/13/2008	10/25/2007	11/14/2006	10/18/2005	10/18/2004	10/20/2003	10/2/2002	10/17/2001	11/16/2000	11/3/1999
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U
Acetone	26.2	5 U	5 U	2.43 J	11.3 B	8.09 B	5 U	10 U	74	100	55
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-212

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/17/1998	10/20/1998	12/29/1996	9/14/1995	3/2/1995	12/10/1994
1,4-Dioxane	---	---	---	---	---	---
2-Butanone	10 U	10 U	---	---	---	---
Acetone	33	76	---	---	---	---
Chloroform	2 J	5 U	0.5 U	0.5 U	0.5 UJ-C	0.5 U
Methane	---	---	---	---	---	---
Methylene chloride	6 B	6 B	0.5 U	0.5 U	0.5 UJ-C	0.5 U
Toluene	5 U	5 U	0.88	0.5 UJ-C	0.5 UJ-C	0.5 U
bis(2-Ethylhexyl)Phthalate	---	---	---	3 J	---	---
di-n-Butyl Phthalate	---	---	---	1 J	---	---
Aroclor-1016	---	---	---	0.022 U	---	0.022 U
Aroclor-1221	---	---	---	0.022 U	---	0.022 U
Aroclor-1232	---	---	---	0.022 U	---	0.022 U
Aroclor-1242	---	---	---	0.022 UJ-C	---	0.022 U
Aroclor-1248	---	---	---	0.022 U	---	0.022 U
Aroclor-1254	---	---	---	0.022 U	---	0.022 U
Aroclor-1260	---	---	---	0.022 U	---	0.022 U

Historical Detected Concentrations in OMW-213

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/14/2015	12/5/2014	6/6/2014	6/6/2014	12/6/2013	10/24/2012	10/19/2011	10/14/2010	12/15/2009	10/26/2009	10/14/2008
1,1,1-Trichloroethane	1 U	0.596 J	1.00 U	1.00 U	1.00 U	5 U	5 U	25 U	4.88 J	3.96 J	5 U
1,1-Dichloroethane	2	3.04	2.64	2.65	4.18	3.37 J	1.44 J	5.56 J	4.55 J	4.37 J	5 U
1,1-Dichloroethene	1	2.41	1.70	1.72	2.94	2.06 J	5 U	25 U	5.6	4.1 J	5 U
1,2-Dichloroethane	7	11.2	9.76	9.63	10.9	11.6	8.57	17.4 J	24	25.8	5 U
1,4-Dioxane	---	---	---	---	0.35	---	---	---	---	---	---
Acetone	5 U	10.0 U	10.0 U	10.0 U	5.00 U	5 U	5 U	6.21 J	5 U	5 U	5 U
Benzene	2	3.06	3.29	3.35	8.41	6.29	3.65 J	18.9 J	31.8	31	5 U
Chlorobenzene	7	15.9	15.5	15.0	48.0	31.6	18.3	94.5	119	146	5 U
Chloroform	9	15.5	12.6	12.8	8.91	17.9	9.69	12.1 J	132	128	5 U
cis-1,2-Dichloroethene	34	60.1	59.2	56.6	81.3	71.9	36.9	81.8	142	130	5 U
Ethene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	1 U	1.00 U	1.00 U	1.00 U	1.00 U	---	---	---	---	---	5 U
Methylcyclohexane	1 U	1.00 U	0.714 J	1.00 U	2.61	---	---	---	---	---	---
Methylene chloride	1 U	1.00 U	1.00 U	1.00 U	1.00 U	5 U	5 U	25 U	2.22 J	1.16 J	5 U
Toluene	1 U	1.00 U	1.00 U	1.00 U	1.00 U	5 U	5 U	25 U	5 U	5 U	5 U
Trichloroethene	100	156	112	117	159	203	65.7	251	321	332	1.01 J
Vinyl Chloride	1 U	1.00 U	1.00 U	1.00 U	0.718 J	5 U	5 U	25 U	1.92 J	1.31 J	5 U
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-213

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/24/2007	11/13/2006	10/17/2005	5/23/2005	10/18/2004	5/17/2004	10/21/2003	5/19/2003	10/1/2002	5/13/2002	10/16/2001
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	10 U	10 U	10 U
Benzene	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Ethene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	---	---	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	1.38 J	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	10 U	10 U	10 U
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-213

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/8/2001	11/15/2000	5/17/2000	11/3/1999	5/4/1999	11/17/1998	10/23/1998	1/21/1997	12/29/1996	9/13/1995	3/2/1995	12/10/1994
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	5 U	1 U	0.5 U	0.5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	8	---	5 U	1 U	0.5 UJ-C	0.5 U
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	5 U	1 U	0.5 U	0.5 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	5 U	1 U	0.8	0.5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	19	---	---	---	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	280	600	---	140	30 J-C	6.2 J-C	1.2
Chlorobenzene	5 U	5 U	5 U	5 U	2 J	49	130	---	12	7 J-C	2	2
Chloroform	5 U	4 J	5 U	5 U	3 BJ	39	14	---	24	9.2	2.4 J-C	2.1
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	8	49	170	---	18	6.2 J-C	2.6	3.6
Ethene	---	---	---	---	---	---	---	0.9 J	---	---	---	---
m,p-Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	16	---	10 U	2 UJ-C	1.1 J-C	1 U
Methylcyclohexane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	3 BJ	5 U	5 U	26 B	49	---	5 U	1 U	0.5 UJ-C	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	12 J	350	---	5 U	1 UJ-C	0.5 UJ-C	0.5 U
Trichloroethene	5 U	5 U	5 U	4 J	27	120	24	---	67	31 J-C	13 J-C	19
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	5 U	1 UJ-C	0.5 U	0.5 U
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	1 J	---	---
Phenol	---	---	---	---	---	---	---	---	10 U	11 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	0.022 U	---	0.022 U
Aroclor-1221	---	---	---	---	---	---	---	---	---	0.022 U	---	0.022 U
Aroclor-1232	---	---	---	---	---	---	---	---	---	0.022 U	---	0.022 U
Aroclor-1242	---	---	---	---	---	---	---	---	---	0.022 UJ-C	---	0.022 U
Aroclor-1248	---	---	---	---	---	---	---	---	---	0.022 U	---	0.022 U
Aroclor-1254	---	---	---	---	---	---	---	---	---	0.022 U	---	0.022 U
Aroclor-1260	---	---	---	---	---	---	---	---	---	0.022 U	---	0.022 U

Historical Detected Concentrations in OMW-214

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/11/2020	10/9/2019	10/10/2018	5/29/2018	9/26/2017	10/20/2016	10/23/2015	12/3/2014	12/5/2013	5/7/2013	10/24/2012
1,2-Dichloroethane	1.0 U	1 U	0.3 J	1 U	1 U	1.0 U	1 U	1.00 U	1.00 U	5 U	5 U
1,4-Dioxane	0.64	1	0.9	0.9	1.2	2.4	1.2	2.2	2.9	---	---
2-Butanone	10 U	0.4 J	10 U	10 U	10 U	1.0 U	3 U	1.45 J	1.00 U	5 U	5 U
Acetone	0.78 J	1 J	5 J	20 U	20	24.8	10 J	13.9	4.26 J	5 U	5 U
Benzene	1.0 U	1 U	1 U	1 U	1 U	5.8 J	0.5 U	1.00 U	1.00 U	5 U	5 U
Carbon disulfide	0.53 J	0.2 J	5 J	13	4 J	1.0 U	5 U	1.00 U	1.00 UJ	5 U	5 U
Chlorobenzene	0.27 J	0.3 J	0.3 J	1 U	1 U	2.4	1	1.27	1.11	1.36 J	1.42 J
Chloroform	1.0 U	1 U	1 U	1 U	1 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U
Chloromethane	1.0 U	1 U	0.2 J	1 U	1 U	1.5	1 U	1.00 U	1.00 U	5 U	5 U
cis-1,2-Dichloroethene	1.0 U	0.6 J	0.2 J	1 U	1 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U
m,p-Xylenes	5.0 U	5 U	5 U	1 U	1 U	2.0 U	0.5 U	1.00 U	---	5 U	---
Methane	---	---	---	---	18	---	---	---	---	---	---
Methylene chloride	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U
Toluene	1.0 U	1 U	1 U	1 U	1 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U
Trichloroethene	1.0 U	0.3 J	1 U	1 U	1 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-214

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/21/2012	10/19/2011	5/23/2011	10/13/2010	5/18/2010	10/21/2009	10/14/2008	10/25/2007	11/14/2006	10/18/2005	5/23/2005
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	5 U	5 U	1.32 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	5 U	5.61	4.44 J	5.09	6.07	5 U	5 U	5 U	5 U	7.34 B	6.03 B
Benzene	5 U	5 U	5 U	5 U	1.17 J	5 U	5 U	1.1 J	1.24 J	1.55 J	1.75 J
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	1.62 J	2.28 J	2.08 J	1.44 J	1.88 J	1.78 J	1.82 J	1.95 J	2.36 J	3.29 J	3.48 J
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylenes	5 U	---	---	---	---	---	5 U	---	---	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-214

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/19/2004	5/17/2004	10/22/2003	5/20/2003	10/2/2002	5/13/2002	10/16/2001	5/8/2001	11/13/2000	5/18/2000	11/2/1999	5/4/1999
1,2-Dichloroethane	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	1 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	5.79 B	5.77 B	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	5 U	1.14	1.08 J	5 U	5 U	5 U	2 J	2 J	2 J	3 J	3 J	4 J
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	2.73 J	3.1	3.49 J	5 U	3 J	3 J	5 J	5 J	4 J	6	7	8
Chloroform	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 BJ
Chloromethane	5 U	1 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5 U	1 U	5 U	5 U	5 U	5 U	1 J	1 J	5 U	2 J	3 J	3 J
m,p-Xylenes	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 BJ	5 U	4 BJ
Toluene	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 J
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-214

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/23/1998	12/28/1996	9/11/1995	3/2/1995	12/13/1994	12/10/1994
1,2-Dichloroethane	5 U		0.5 U	0.5 U		0.5 U
1,4-Dioxane	---	---	---	---	---	---
2-Butanone	10 U	---	---	---	---	---
Acetone	10 U	---	---	---	---	---
Benzene	5 U	11	4.6 J-C	2.2 J-C	---	1.6
Carbon disulfide	5 U	---	---	---	---	---
Chlorobenzene	5 U	1.4	0.5 U	0.5 U	---	0.5 U
Chloroform	5 U	0.5 U	0.5 U	0.5 UJ-C	---	0.5 U
Chloromethane	10 U	---	0.5 U	0.5 U	---	0.5 UJ-C
cis-1,2-Dichloroethene	5 U	1.3	0.5 U	0.5 U	---	0.5 U
m,p-Xylenes	5 U	1 U	1 U	3.2 J-C	---	1 U
Methane	---	---	---	---	---	---
Methylene chloride	5 U	0.5 U	0.5 UJ-C	0.5 UJ-C	---	0.5 U
Toluene	5 U	10	0.5 U	1 J-C	---	0.5 UJ-C
Trichloroethene	5 U	0.5 U	0.5 U	0.5 UJ-C	---	0.5 U
Benzoic Acid	---	---	3 J	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	3 J	---	---	---
Phenol	---	10 U	10 U	5 U	5 U	---
Aroclor-1016	---	---	0.023 U	---	---	0.022 U
Aroclor-1221	---	---	0.023 U	---	---	0.022 U
Aroclor-1232	---	---	0.023 U	---	---	0.022 U
Aroclor-1242	---	---	0.023 UJ-C	---	---	0.022 U
Aroclor-1248	---	---	0.023 U	---	---	0.022 U
Aroclor-1254	---	---	0.023 U	---	---	0.022 U
Aroclor-1260	---	---	0.023 U	---	---	0.022 U

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/12/2020	6/17/2020	10/8/2019	10/8/2019	5/15/2019	10/10/2018	6/18/2018	9/28/2017	9/28/2017	6/26/2017
1,1-Dichloroethane	---	0.21 J	0.2 J	---	0.2 J	0.4 J	1 U	1 U	---	1 U
1,4-Dioxane	2.1	1.7	3	3	2	3	3	2.7	3.0	4.0
2-Butanone	10 U	10 U	10 U	---	10 U	10 U	10 U	10 U	---	10 U
4-Methyl-2-Pentanone	10 U	10 U	10 U	---	10 U	10 U	10 U	10 U	---	10 U
Acetone	20 U	20 U	20 U	---	20 U	20 U	20 U	20 U	---	20 U
Benzene	79	74	90	---	93	120	110	97	---	100
Chlorobenzene	1.9	1.9	2	---	2	3	2	2	---	2
Chloroethane	1.0 U	1.0 U	1 U	---	1 U	1 U	1 U	1 U	---	1 U
Chloroform	1.0 U	1.0 U	1 U	---	1 U	1 U	1 U	1 U	---	1 U
cis-1,2-Dichloroethene	1.0 U	1.0 U	1 U	---	1 U	1 U	1 U	1 U	---	1 U
Ethane	---	---	---	---	---	---	15	15	---	---
Ethene	---	---	---	---	---	---	30	28 J	---	---
Ethylbenzene	1.0 U	1.0 U	1 U	---	1 U	1 U	1 U	1 U	---	1 U
m,p-Xylenes	5.0 U	5.0 U	5 U	---	5 U	5 U	1 U	1 U	---	1 U
Methane	---	---	---	---	---	---	340	360	---	---
o-Xylene	1.0 U	1.0 U	1 U	---	1 U	1 U	1 U	1 U	---	1 U
Toluene	3.2	3.4	5	---	5	32	24	45	---	55
Trichloroethene	1.0 U	1.0 U	1 U	---	1 U	1 U	1 U	1 U	---	1 U
2,4-Dimethylphenol	---	---	10 U	---	---	---	---	1 U	---	---
2-Methylphenol	---	---	2 U	---	---	---	---	1 U	---	---
4-Methylphenol	---	---	2 U	---	---	---	---	0.9 J	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	2 U	---	---	---	---	1 J	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/19/2016	5/17/2016	10/21/2015	10/21/2015	5/13/2015	5/13/2015	12/2/2014	6/6/2014	12/6/2013	12/6/2013	5/8/2013
1,1-Dichloroethane	1.0 U	1 U	0.7 J	---	1	---	0.916 J	1.02	1.27 J	---	1.24 J
1,4-Dioxane	8.4	11	6.5	7.0	15	15	17	19	17	---	---
2-Butanone	1.0 U	1 U	3 U	---	1 U	---	5.00 U	5.00 U	1.00 U	---	5 U
4-Methyl-2-Pentanone	1.0 U	1 U	3 U	---	1 U	---	5.00 U	5.00 U	1.00 U	---	5 U
Acetone	5.0 U	5 U	6 U	---	5 U	---	10.0 U	10.0 U	5.70	---	5 U
Benzene	161	210	280	---	290	---	373	420	421	---	496
Chlorobenzene	3.5	4	6	---	8	---	7.88	9.85	9.45	---	9.5
Chloroethane	1.0 U	1 U	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U
Chloroform	1.0 U	1 U	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U
cis-1,2-Dichloroethene	1.0 U	1 U	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	1.0 U	1 U	0.5 U	---	1 U	---	1.00 U	0.575 J	0.503 J	---	5 U
m,p-Xylenes	2.0 U	1 U	0.5 U	---	1 U	---	0.506 J	0.809 J	0.812 J	---	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	1.0 U	1 U	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U
Toluene	2.7	3	4	---	9	---	5.86	4.82	4.32	---	7.74
Trichloroethene	1.0 U	1 U	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U
2,4-Dimethylphenol	---	---	0.5 U	---	---	---	---	---	9.62 U	9.26 U	---
2-Methylphenol	---	---	0.5 U	---	---	---	---	---	9.62 U	9.26 U	---
4-Methylphenol	---	---	0.5 U	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	9.62 U	9.26 U	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	9.62 U	9.26 U	---
Phenol	---	---	1	---	---	---	---	---	9.62 UJ	9.26 UJ	---
Aroclor-1016	---	---	---	---	---	---	---	---	0.0500 U	0.0500 U	---
Aroclor-1221	---	---	---	---	---	---	---	---	0.0500 U	0.0500 U	---
Aroclor-1232	---	---	---	---	---	---	---	---	0.0500 U	0.0500 U	---
Aroclor-1242	---	---	---	---	---	---	---	---	0.0500 U	0.0500 U	---
Aroclor-1248	---	---	---	---	---	---	---	---	0.0500 U	0.0500 U	---
Aroclor-1254	---	---	---	---	---	---	---	---	0.0500 U	0.0500 U	---
Aroclor-1260	---	---	---	---	---	---	---	---	0.0500 U	0.0500 U	---

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/24/2012	10/24/2012	5/21/2012	10/20/2011	5/24/2011	10/14/2010	5/19/2010	10/22/2009	5/20/2009	10/15/2008	10/25/2007
1,1-Dichloroethane	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	1.93 J
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U
4-Methyl-2-Pentanone	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U
Acetone	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U
Benzene	830	733	834	1100	792	722	1440	1270	2580	1660	686
Chlorobenzene	20.3 J	16.3 J	100 U	27.1 J	19.3 J	20.9 J	37.5 J	250 U	150 J	54.1 J	13.3
Chloroethane	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U
Chloroform	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U
cis-1,2-Dichloroethene	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	2.92 J
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U
m,p-Xylenes	---	---	100 U	---	---	---	---	---	250 U	100 U	---
Methane	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U
Toluene	10.9 J	50 U	71.9 J	67.4	18.3 J	100 U	78.4 J	327	750	446	16.6
Trichloroethene	50 U	50 U	100 U	50 U	50 U	100 U	100 U	250 U	250 U	100 U	3.1 J
2,4-Dimethylphenol	9.26 U	9.26 U	---	9.26 U	---	9.26 U	---	1.29 J	---	23.8 U	9.26 U
2-Methylphenol	9.26 U	9.26 U	---	9.26 U	---	1.75 J	---	3.25 J	---	23.8 U	9.26 U
4-Methylphenol	---	---	---	20.5	---	24.9	---	48.8	---	42.2	20.3
bis(2-Ethylhexyl)Phthalate	9.26 U	15.7	---	9.26 U	---	9.26 U	---	8.37 J	---	23.8 U	9.26 U
di-n-Butyl Phthalate	9.26 U	9.26 U	---	9.26 U	---	9.26 U	---	9.26 U	---	23.8 U	9.26 U
Phenol	9.26 U	9.26 U	---	9.26 U	---	6.28 J	---	5.46 J	---	23.8 U	9.26 U
Aroclor-1016	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1221	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1232	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1242	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	0.0545
Aroclor-1248	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1254	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U
Aroclor-1260	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	---	0.05 U	0.05 U

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/14/2006	10/18/2005	5/24/2005	10/19/2004	5/18/2004	10/22/2003	5/21/2003	10/2/2002	5/14/2002	10/17/2001	5/8/2001
1,1-Dichloroethane	3.63 J	3.43 J	3.81 J	2.61 J	2.96	2.92 J	25 U	2 J	5 U	3 J	3 J
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	5 U	2.37 J	5 U	1 U	5 U	25 U	10 U	10 U	5 J	10 U
4-Methyl-2-Pentanone	5 U	12.6	10.5	5 U	9.07	5 U	25 U	10 U	10 U	9 J	13
Acetone	15.8	22.5 B	27.2 B	5 U	31.1 B	47.1	48.6	12	27	100	68
Benzene	1130	1220	1170	704	846	962	1020	390	620	1100	1100
Chlorobenzene	31.2	30.8	37	14.1	28.9	25.9	27.9	6	9	26	29
Chloroethane	5 U	1.57 J	1.03 J	1 J	1.2	5 U	25 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	1.43 J	1.16 J	5 U	1.84 J	1 U	1.05 J	25 U	3 J	5 U	5 U	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	1.95 J	1.73 J	1.97 J	5 U	1.37	1.22 J	25 U	5 U	5 U	1 J	5 U
m,p-Xylenes	---	2.33 J	2.38 J	5 U	1 U	5 U	25 U	5 U	5 U	2 J	2 J
Methane	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	1.33 J	1.39 J	1.43 J	5 U	1 U	5 U	25 U	5 U	5 U	1 J	1 J
Toluene	254	287	269	39.6	155	251	264	20	53	320	280
Trichloroethene	1.74 J	5.75	1.32 J	2.18 J	1.45	1.8 J	25 U	5 U	5 U	1 J	5 U
2,4-Dimethylphenol	10 U	9.52 U	---	9.26 U	---	9.26 U	---	5 U	---	1 J	---
2-Methylphenol	10 U	9.52 U	---	9.26 U	---	1.2 J	---	5 U	---	3 J	---
4-Methylphenol	50.4	58.8	---	25.3	---	35.2	---	5 J	---	37	---
bis(2-Ethylhexyl)Phthalate	10 U	9.52 U	---	9.26 U	---	9.26 U	---	5 U	---	1 J	---
di-n-Butyl Phthalate	10 U	9.52 U	---	9.26 U	---	9.26 U	---	5 U	---	10 U	---
Phenol	16	12.6	---	10.4	---	7.99 J	---	2 J	---	3 J	---
Aroclor-1016	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	---	0.065 U	---
Aroclor-1221	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	---	0.065 U	---
Aroclor-1232	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	---	0.065 U	---
Aroclor-1242	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	---	0.065 U	---
Aroclor-1248	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	---	0.065 U	---
Aroclor-1254	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	---	0.065 U	---
Aroclor-1260	0.05 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	---	0.065 U	---

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/16/2000	5/19/2000	11/3/1999	5/4/1999	10/23/1998	1/15/1997	12/28/1996	10/13/1995	9/14/1995
1,1-Dichloroethane	5 U	3 J	2 J	5 U	5 U	---	10 U	7.5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---
2-Butanone	10 U	10 U	5 J	10 U	10 U	---	---	---	---
4-Methyl-2-Pentanone	8 J	5 J	6 J	10 U	6 J	---	---	---	---
Acetone	10 U	45	80	160	45	---	---	---	---
Benzene	1200	600	900	770	750	---	360	230	140 J-C
Chlorobenzene	23	6	18	23	19	---	10 U	7.5 U	5 U
Chloroethane	10 U	10 U	10 U	10 U	10 U	---	10 U	7.5 U	5 U
Chloroform	5 U	5 U	5 U	2 BJ	5 U	---	10 U	7.5 U	9.4 J-BC
cis-1,2-Dichloroethene	5 U	8 J	5 U	5 U	5 U	---	10 U	7.5 U	5 U
Ethane	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	76	---	---	---
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	---	10 U	7.5 UJ-C	5 UJ-C
m,p-Xylenes	5 U	5 U	5 U	5 U	5 U	---	20 U	15 U	10 UJ-C
Methane	---	---	---	---	---	440	---	---	---
o-Xylene	5 U	5 U	5 U	5 U	5 U	---	10 U	---	---
Toluene	290	63	240	200	160	---	30	7.5 UJ-C	5 UJ-C
Trichloroethene	5 U	5 U	5 U	1 J	5 U	---	10 U	7.5 U	5 U
2,4-Dimethylphenol	10 U	---	9 J	---	4 J	---	10 U	10 U	12 U
2-Methylphenol	2 J	---	10 U	---	10 U	---	1.4 J	10 U	12 U
4-Methylphenol	26	---	22	---	11	---	15	10 U	12 U
bis(2-Ethylhexyl)Phthalate	10 U	---	10 U	---	5 BJ	---	---	10 U	12 U
di-n-Butyl Phthalate	10 U	---	10 U	---	10 U	---	---	10 U	2 J
Phenol	3 J	---	10 U	---	10 U	---	10 U	10 U	12 U
Aroclor-1016	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.026 U
Aroclor-1221	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.026 U
Aroclor-1232	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.026 U
Aroclor-1242	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 UJ-C	0.026 UJ-C
Aroclor-1248	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.026 U
Aroclor-1254	0.065 U	---	0.065 U	---	1 U	---	---	0.022 U	0.4
Aroclor-1260	0.065 U	---	0.065 U	---	1 U	---	---	0.022 U	0.026 U

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/11/2020	10/10/2019	10/10/2018	10/10/2018	5/30/2018	9/25/2017	10/20/2016	10/20/2016	10/23/2015	12/3/2014	12/5/2013
1,2-Dichloroethane	0.36 J	0.4 J	0.5 J	0.5 J	1 U	1 U	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U
1,4-Dioxane	1.1	1	1	---	1	1.3	2.8	---	1.4	2.7	2.6
Acetone	19 U	20 U	20 U	20 U	20 U	20 U	5.0 U	5.0 U	6 U	10.0 U	5.00 U
Benzene	0.42 J	0.4 J	0.4 J	0.3 J	1 U	1 U	1.0 U	3.1	0.6 J	1.00 U	1.00 U
Chlorobenzene	2.8	3	3	3	3	3	4.2	4.6	4	4.06	3.57
Chloroethane	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U
Chloroform	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U
cis-1,2-Dichloroethene	1.4	1	2	2	1	2	1.9	1.8	2	1.79	1.92
m,p-Xylenes	5.0 U	5 U	5 U	5 U	1 U	1 U	2.0 U	2.0 U	0.5 U	1.00 U	---
Methane	---	---	---	---	---	33	---	---	---	---	---
Methylene chloride	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	2 U	1.00 U	1.00 U
o-Xylene	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.5 U	1.00 U	---
Toluene	1.0 U	1 U	1 U	1 U	1 U	1 U	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U
Trichloroethene	0.82 J	0.9 J	1	1	1 J	1	1.6	1.6	2	1.69	2.01
Vinyl Chloride		1 U	0.3 J	0.3 J	1 U	1 U	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/7/2013	10/24/2012	5/21/2012	10/19/2011	5/23/2011	10/13/2010	5/18/2010	10/21/2009	10/14/2008	10/25/2007	11/14/2006
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	5 U	5 U	1.38 J	5 U	5 U	5 U	2.87 J	4.16 J	5 U	5 U	5 U
Chlorobenzene	4.2 J	4.77 J	5.2	6.93	7.37	7.07	6.86	5.65	5.59	5.98	7.03
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	2.49 J	2.83 J	3.38 J	3.69 J	3.45 J	3.86 J	4.44 J	3.45 J	2.13 J	2.38 J	3.02 J
m,p-Xylenes	5 U	---	5 U	---	---	---	---	---	5 U	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
o-Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	2.45 J	2.98 J	3.83 J	2.73 J	2.42 J	3.57 J	3.35 J	2.55 J	1.21 J	1.42 J	1.79 J
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2005	5/23/2005	10/19/2004	5/18/2004	10/22/2003	5/20/2003	10/2/2002	5/13/2002	10/17/2001	5/8/2001	11/14/2000	5/18/2000
1,2-Dichloroethane	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	1.1 JB	5 U	1 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1.69 J	2.45 J	1.47 J	1.01	1.2 J	5 U	2 J	1 J	1 J	1 J	2 J	2 J
Chlorobenzene	7.14	7.08	6.16	11.2	12.4	13.1	11	10	10	9	9	10
Chloroethane	1.21 J	5 U	5 U	1 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	2.94 J	2.67 J	2.5 J	3.16	3.76 J	5 U	4 J	3 J	4 J	3 J	3 J	4 J
m,p-Xylenes	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	3 BJ	5 U	5 U
o-Xylene	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	1.91 J	1.79 J	1.57 J	2.25	2.7 J	5 U	5 U	5 U	2 J	2 J	5 U	3 J
Vinyl Chloride	5 U	5 U	5 U	1 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/3/1999	5/3/1999	11/17/1998	10/23/1998	10/23/1998	1/20/1997	12/28/1996	10/13/1995	10/12/1995	9/11/1995
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	---	0.5 U	1 U	---	1.2
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	---	---	---	---	---
Benzene	2 J	5 U	17	89	78	---	14	24	---	26 J-C
Chlorobenzene	8	5	13	41	38	---	5.2	2.3 J-P	---	2.8
Chloroethane	10 U	10 U	10 U	10 U	10 U	---	0.5 U	1 U	---	0.5 U
Chloroform	5 U	2 BJ	5 U	2 J	5 U	---	0.5 U	1 U	---	1.3
cis-1,2-Dichloroethene	3 J	4 J	5	23	18	---	3.9	2.9	---	4.4
m,p-Xylenes	5 U	5 U	5 U	5 J	3 J	---	1 U	2 U	---	1 U
Methane	---	---	---	---	---	43	---	---	---	---
Methylene chloride	4 BJ	3 BJ	9 B	5 U	5 U	---	0.5 U	0.43 J-P	---	6
o-Xylene	5 U	5 U	5 U	2 J	3 J	---	0.5 U	---	---	---
Toluene	5 U	5 U	6	83	75	---	0.84	1 UJ-C	---	2.1 J-C
Trichloroethene	2 J	3 J	2 J	4 J	4 J	---	2.5	3.8 J-P	---	15
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	---	0.5 U	1 UJ-C	---	0.55 J-C
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	10 U	11
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	10 U	1 J
Aroclor-1016	---	---	---	---	---	---	---	0.023 U	---	0.022 U
Aroclor-1221	---	---	---	---	---	---	---	0.023 U	---	0.022 U
Aroclor-1232	---	---	---	---	---	---	---	0.023 U	---	0.022 U
Aroclor-1242	---	---	---	---	---	---	---	0.023 UJ-C	---	0.022 UJ-C
Aroclor-1248	---	---	---	---	---	---	---	0.023 U	---	0.022 U
Aroclor-1254	---	---	---	---	---	---	---	0.023 U	---	0.022 U
Aroclor-1260	---	---	---	---	---	---	---	0.023 U	---	0.022 U

Historical Detected Concentrations in OMW-218

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/16/2020	10/8/2019	10/11/2018	5/25/2018	9/25/2017	10/18/2016	10/21/2015	12/2/2014	12/4/2013	10/23/2012	10/18/2011
1,4-Dioxane	---	---	---	0.3 U	0.20 U	---	---	---	0.13 J	---	---
Acetone	20 U	20 U	20 U	20 U	20 U	5.1 U	6 U	10.0 U	5.00 U	5 U	5 U
Methane	---	---	---	---	9.7	---	---	---	---	---	---
Methylene chloride	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U
Toluene	1.0 U	1 U	1 U	1 U	1 U	1.0 U	5	1.00 U	1.00 U	5 U	5 U
Benzidine	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-218

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/11/2010	10/20/2009	10/13/2008	10/24/2007	11/13/2006	10/17/2005	10/18/2004	10/20/2003	10/1/2002	10/16/2001	11/15/2000
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	1.17 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzidine	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-218

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/3/1999	10/20/1998	1/16/1997	12/28/1996	2/2/1996	1/7/1996
1,4-Dioxane	---	---	---	---	---	---
Acetone	10 U	10 U	---	---	---	---
Methane	---	---	17	---	---	---
Methylene chloride	5 U	5 BJ	---	0.5 U	0.5 U	0.5 UJ-CS
Toluene	5 U	5 U	---	0.63	0.5 U	0.5 UJ-S
Benzidine	---	---	---	---	50 UJ-C	51 R-C
Aroclor-1016	---	---	---	---	0.022 U	0.022 U
Aroclor-1221	---	---	---	---	0.022 U	0.022 U
Aroclor-1232	---	---	---	---	0.022 U	0.022 U
Aroclor-1242	---	---	---	---	0.022 U	0.022 U
Aroclor-1248	---	---	---	---	0.022 U	0.078
Aroclor-1254	---	---	---	---	0.022 U	0.022 U
Aroclor-1260	---	---	---	---	0.022 U	0.022 U

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/16/2020	6/17/2020	10/8/2019	5/17/2019	6/20/2018	9/28/2017	9/28/2017	6/1/2017	5/22/2012	10/20/2011	10/20/2011
1,1-Dichloroethane	1.0	1.1	1	1	1	1	---	0.8 J	500 U	250 U	250 U
1,2-Dichloroethane	12	1.0 U	0.8 J	1 U	1 UJ	1 U	---	1 U	500 U	250 U	250 U
1,4-Dioxane	31	---	39	---	34	38	---	---	---	---	---
2-Butanone	3.0 J	2.6 J	10 J	2 J	10 U	10 U	---	10 U	500 U	250 U	250 U
4-Methyl-2-Pentanone	2.8 J	3.2 J	3 J	3 J	10 U	5 J	---	10 U	500 U	250 U	250 U
Acetone	66	40	71	63	41	32	---	44	500 U	250 U	136 J
Benzene	460	450	410	510	700	800	---	400	4420	7760	7040
Carbon disulfide	0.27 J	5.0 U	1 J	2 J	5	3 J	---	5 U	500 U	250 U	250 U
Chlorobenzene	22	23	22	26	28	28	---	20	636	557	547
Chloroethane	1.0 U	1.0 U	1 U	1 U	1 UJ	1 U	---	1 U	500 U	250 U	250 U
Chloroform	1.0 U	1.0 U	1 U	1 U	1 U	1 U	---	1 U	500 U	250 U	250 U
cis-1,2-Dichloroethene	1.9	2.1	2	2	3	3	---	2	500 U	250 U	250 U
Ethane	---	---	---	---	230	260	250	---	---	---	---
Ethene	---	---	---	---	130	140	140	---	---	---	---
Ethylbenzene	1.1	1.5	1	2	1	1	---	1	500 U	250 U	250 U
m,p-Xylenes	2.9 J	4.1 J	3 J	5 J	4	3	---	3	500 U	---	---
Methane	---	---	---	---	2200	3300 J	3400	---	---	---	---
Methyl tert-Butyl ether	1.0 U	1.0 U	1 U	1 U	1 U	1 U	---	1 U	---	---	---
Methylene chloride	1.0 U	1.0 U	1 U	1 U	1 U	1 U	---	4 U	500 U	250 U	250 U
o-Xylene	1.1	1.7	1	2	2	2	---	2	500 U	250 U	52.1 J
Toluene	140	160	190	290	360	380	---	260	7840	6650	6060
Trichloroethene	0.85 J	1.2	1	1	0.8 J	0.7 J	---	0.7 J	500 U	250 U	250 U
Vinyl Chloride	0.50 J	0.44 J	0.6 J	0.6 J	0.7 J	0.9 J	---	1 U	500 U	250 U	250 U
2,4-Dimethylphenol	---	---	10 U	---	---	3	---	---	---	30.5	33.6
2-Methylphenol	---	---	2 U	---	---	3	---	---	---	28	31.2
4-Methylphenol	---	---	2 U	---	---	40	---	---	---	273	335
Benzidine	---	---	---	---	---	---	---	---	---	---	---
bis(2-Chloroethoxy)methane	---	---	---	---	---	---	---	---	---	9.26 U	9.26 U
Naphthalene	---	---	---	---	---	---	---	---	---	4.63 U	4.63 U
Nitrobenzene	---	---	---	---	---	---	---	---	---	9.26 U	9.26 U
Phenol	---	---	2 U	---	---	2	---	---	---	9.26 U	9.26 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	0.05 U	0.05 U
Aroclor-1221	---	---	---	---	---	---	---	---	---	0.05 U	0.05 U
Aroclor-1232	---	---	---	---	---	---	---	---	---	0.05 U	0.05 U
Aroclor-1242	---	---	---	---	---	---	---	---	---	0.0319 AD,J	0.0463 AD,J
Aroclor-1248	---	---	---	---	---	---	---	---	---	0.05 U	0.05 U
Aroclor-1254	---	---	---	---	---	---	---	---	---	0.05 U	0.05 U
Aroclor-1260	---	---	---	---	---	---	---	---	---	0.05 U	0.05 U

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/24/2011	10/14/2010	10/14/2010	5/19/2010	12/15/2009	12/15/2009	10/21/2009	10/21/2009	10/15/2008	10/15/2008	10/25/2007	10/25/2007
1,1-Dichloroethane	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	1.94 J	1.9 J
1,2-Dichloroethane	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	5 U	5 U
4-Methyl-2-Pentanone	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	5 U	5 U
Acetone	250 U	257 J	212 J	500 U	500 U	164 J	---	---	100 U	100 U	65	62.6
Benzene	2830	3960	4350	8130	6170	6470	---	---	2000	1830	1240	1190
Carbon disulfide	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	5 U	5 U
Chlorobenzene	165 J	241 J	313 J	634	251 J	263 J	---	---	80.1 J	65.7 J	34.5	34.9
Chloroethane	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	5 U	5 U
Chloroform	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	5 U	5 U
cis-1,2-Dichloroethene	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	1.14 J	1.17 J
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	2.04 J	1.98 J
m,p-Xylenes	---	---	---	---	---	---	---	---	100 U	100 U	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	5 U	5 U
o-Xylene	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	2.51 J	2.64 J
Toluene	2080	3100	3730	8010	3930	3760	---	---	1420	1190	706	701
Trichloroethene	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	5 U	5 U
Vinyl Chloride	250 U	500 U	500 U	500 U	500 U	500 U	---	---	100 U	100 U	2.02 J	1.87 J
2,4-Dimethylphenol	10.5	18.9	18.1	---	---	---	27.4	27.3	9.02 J	11.4	11.6 U	12.2 U
2-Methylphenol	12.7	17.3	17.4	---	---	---	24	28	9.75	11.4	11.6 U	12.2 U
4-Methylphenol	162	260	238	---	---	---	602	704	223	255	119	126
Benzidine	---	---	---	---	---	---	---	---	---	---	---	---
bis(2-Chloroethoxy)methane	9.26 U	9.26 U	9.26 U	---	---	---	9.26 U	9.26 U	9.26 U	9.26 U	11.6 U	12.2 U
Naphthalene	4.63 U	9.26 U	9.26 U	---	---	---	4.43 J	4.61 J	9.26 U	9.26 U	11.6 U	12.2 U
Nitrobenzene	9.26 U	9.26 U	9.26 U	---	---	---	9.26 U	9.26 U	9.26 U	9.26 U	11.6 U	12.2 U
Phenol	7.67 J	10.9	13.1	---	---	---	7.83 J	8.5 J	3.99 J	9.26 U	11.6 U	12.2 U
Aroclor-1016	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1221	0.05 U	0.0315 PB,J	0.0271 PB,J	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1232	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1242	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1248	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1254	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1260	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/15/2006	11/15/2006	10/19/2005	5/23/2005	10/20/2004	5/18/2004	10/22/2003	5/20/2003	10/3/2002	10/3/2002	5/14/2002	10/18/2001
1,1-Dichloroethane	2.87 J	2.17 J	2.78 J	2.99 J	4.54 J	4.57	3.74 J	50 U	4 J	5 U	5	8
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	1 U	5 U	50 U	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	5 U	5 U	5 U	5 U	1 U	5 U	50 U	10 U	10 U	11	10 U
4-Methyl-2-Pentanone	5 U	5 U	15 J	5 U	5 U	25.7	5 U	50 U	14	18	27	43
Acetone	5 U	5 U	55.2	58.5 B	75.1 B	102 B	69.6	66.2	210	110	130	190
Benzene	1260	1140	1310	1290	1720	1600	1630	1260	1700	1400	3200	3900
Carbon disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	32.4	32.1	33.5	31	39.7	45.7	67.4	50 U	34	36	37	170
Chloroethane	5 U	5 U	2.42 J	2.06 J	4.1 J	3.27	4.2 J	50 U	10 U	10 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U	5 U	1 U	5 U	50 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	2.09 J	2.12 J	5 U	5 U	5 U	1 U	5 U	50 U	5 U	5 U	5 U	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	1.85 J	1.89 J	1.72 J	1.54 J	1.9 J	2.73	4.03 J	50 U	5 U	5 U	5 U	14
m,p-Xylenes	---	---	4.64 J	5 U	5.24	7.24	11.3	50 U	4 J	4 J	5 J	44
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	1 U	5 U	50 U	5 U	5 U	5 U	5 U
o-Xylene	2.54 J	2.54 J	2.37 J	1.92 J	2.71 J	3.4	5.18	50 U	5 U	5 U	5 U	18
Toluene	663	615	845	688	838	995	1290	698	1000	790	930	3100
Trichloroethene	5 U	5 U	5 U	5 U	5 U	1 U	5 U	50 U	5 U	5 U	5 U	5 U
Vinyl Chloride	2.8 J	3.15 J	1.27 J	5 U	5 U	1 U	5 U	50 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10.1 U	10.9 U	3.44 J	---	18.9 U	---	7.25 J	---	10 U	2 J	---	16 J
2-Methylphenol	10.1 U	10.9 U	5.49 J	---	18.9 U	---	4.13 J	---	3 J	2 J	---	12 J
4-Methylphenol	218	157	118	---	166	---	188	---	130	160	---	200
Benzidine	---	---	---	---	---	---	---	---	---	---	---	---
bis(2-Chloroethoxy)methane	10.1 U	10.9 U	9.52 U	---	18.9 U	---	2.13 J	---	10 U	10 U	---	20 U
Naphthalene	10.1 U	10.9 U	9.52 U	---	18.9 U	---	9.26 U	---	10 U	10 U	---	20 U
Nitrobenzene	10.1 U	10.9 U	9.52 U	---	18.9 U	---	8.48 J	---	10 U	10 U	---	20 U
Phenol	10.1 U	10.9 U	3.72 J	---	18.9 U	---	4.93 J	---	10 U	10 U	---	3 J
Aroclor-1016	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	0.065 U	---	0.065 U
Aroclor-1221	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	0.065 U	---	0.065 U
Aroclor-1232	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	0.065 U	---	0.065 U
Aroclor-1242	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	0.065 U	---	0.065 U
Aroclor-1248	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	0.065 U	---	0.065 U
Aroclor-1254	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	0.065 U	---	0.065 U
Aroclor-1260	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U	---	0.065 U	0.065 U	---	0.065 U

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2001	5/9/2001	11/16/2000	11/16/2000	5/22/2000	11/3/1999	5/4/1999	10/23/1998	1/21/1997	12/28/1996	2/2/1996	1/7/1996
1,1-Dichloroethane	8	6	---	11	7	5	10	5	---	100 U	100 U	50 UJ-HS
1,2-Dichloroethane	5 U	4 J	---	5 U	5 U	5 U	5 U	5 U	---	100 U	100 UJ-C	50 UJ-HS
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	10 U	10 U	---	10 U	10 U	10 U	11	17	---	---	---	---
4-Methyl-2-Pentanone	45	55	---	68	37	31	35	25	---	---	---	---
Acetone	180	10 U	---	10 U	230	620	830 E	160	---	---	---	---
Benzene	4300	3500	---	4800	2000	2300	2600	1400	---	3200	2700 J-S	1700 J-HCS
Carbon disulfide	5 U	5 U	---	5 U	5 U	5 U	5 U	5 U	---	---	---	---
Chlorobenzene	180	120	---	250	64	81	140	35	---	100 U	100 UJ-C	44 J-HSP
Chloroethane	10 U	10 U	---	10 U	10 U	10 U	10 U	10 U	---	100 U	100 U	50 UJ-HCS
Chloroform	5 U	5 U	---	5 U	5 U	5 U	4 BJ	5 U	---	100 U	100 U	50 UJ-HS
cis-1,2-Dichloroethene	5 U	5 U	---	5 U	5 U	5 U	5 U	5 U	---	100 U	100 UJ-C	50 UJ-HS
Ethane	---	---	---	---	---	---	---	---	600	---	---	---
Ethene	---	---	---	---	---	---	---	---	110 J	---	---	---
Ethylbenzene	13	11	---	21	5 J	6	11	5 U	---	100 U	100 U	50 UJ-HS
m,p-Xylenes	47	32	---	67	11	19	29	4 J	---	200 U	200 U	100 UJ-HS
Methane	---	---	---	---	---	---	---	---	700	---	---	---
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	100 U	100 R-Q	50 UJ-HCS
Methylene chloride	5 U	6 B	---	5 U	8 B	5 U	11	5 U	---	100 U	100 U	50 UJ-HS
o-Xylene	18	14	---	26	5	7	13	3 J	---	100 U	100 U	50 UJ-HS
Toluene	3700	2400 J	---	4400	1100	1700	2200	760	---	2900	1900 J-S	1200 J-HS
Trichloroethene	5 U	5 U	---	5 U	4 J	5 U	5 U	5 U	---	100 U	100 U	50 UJ-HS
Vinyl Chloride	10 U	10 U	---	10 U	10 U	10 U	10 U	10 U	---	100 U	100 U	50 UJ-HS
2,4-Dimethylphenol	17 J	---	---	10 J	---	8 J	---	22	---	11 J	7 J	5 J
2-Methylphenol	13 J	---	---	7 J	---	7 J	---	4 J	---	8.6 J	9 J	6 J
4-Methylphenol	220	---	---	160	---	130	---	70	---	200	260	130
Benzidine	---	---	---	---	---	---	---	---	---	---	170 UJ-C	100 R-C
bis(2-Chloroethoxy)methane	20 U	---	---	20 U	---	10 U	---	10 U	---	---	33 U	20 U
Naphthalene	2 J	---	---	20 U	---	2 J	---	10 U	---	---	33 U	20 U
Nitrobenzene	20 U	---	---	20 U	---	10 U	---	10 U	---	---	33 U	20 U
Phenol	3 J	---	---	20 U	---	10 U	---	10 U	---	40 J	33 U	20 U
Aroclor-1016	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.022 U
Aroclor-1221	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.022 U
Aroclor-1232	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.022 U
Aroclor-1242	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.022 U
Aroclor-1248	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---	0.5 U	---	---	0.022 U	0.11
Aroclor-1254	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---	1 U	---	---	0.022 U	0.022 U
Aroclor-1260	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---	1 U	---	---	0.022 U	0.022 U

Historical Detected Concentrations in OMW-220

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/9/2019	5/23/2018	9/26/2017	10/22/2015	12/5/2013	10/23/2012	10/18/2011	10/12/2010	10/21/2009	10/14/2008	10/24/2007
1,4-Dioxane	---	0.3 U	0.20 U	---	0.090 J	---	---	---	---	---	---
Carbon Disulfide	5 U	5 U	5 U	3 J	3.44 J	2.03 J	1.94	2.85	3.72 J	3.18	2.84
Methane	---	---	4.0 J	---	---	---	---	---	---	---	---
Methylene chloride	1 U	1 U	1 U	2 U	1.00 U	5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Toluene	1 U	1 U	1 U	0.5 U	1.00 U	5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-220

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/14/2006	10/18/2005	10/19/2004	10/20/2003	9/30/2002	10/15/2001	11/14/2000	11/2/1999	10/21/1998	12/29/1996
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---
Carbon Disulfide	3.77	0.698	4.55 J	6.24	5 U	5 U	5 U	5 U	5 U	---
Methane	---	---	---	---	---	---	---	---	---	---
Methylene chloride	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	6 B	0.5 U
Toluene	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.78
Aroclor-1016	---	---	---	---	---	---	---	---	---	0.01 U
Aroclor-1221	---	---	---	---	---	---	---	---	---	0.01 U
Aroclor-1232	---	---	---	---	---	---	---	---	---	0.01 U
Aroclor-1242	---	---	---	---	---	---	---	---	---	0.01 U
Aroclor-1248	---	---	---	---	---	---	---	---	---	0.01 U
Aroclor-1254	---	---	---	---	---	---	---	---	---	0.01 U
Aroclor-1260	---	---	---	---	---	---	---	---	---	0.01 U

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/16/2020	10/11/2019	10/11/2018	5/24/2018	9/27/2017	10/19/2016	10/22/2015	12/1/2014	12/5/2013	12/5/2013	5/8/2013
1,2,3-Trichlorobenzene	5.0 U	5 U	0.4 J	5 U	5 U	1.0 U	0.5 U	1.00 U	1.00 U	1.00 U	---
1,4-Dioxane	---	0.3 U	---	0.3 UJ	0.30	---	0.19 U	---	0.20 U	0.20 U	---
Acetone	20 U	20 U	20 U	20 U	20 U	5.0 U	6 U	10.0 U	5.00 U	5.00 U	0.5 U
Benzene	1.0 U	1 U	1 U	1 U	1 U	1.0 U	0.5 U	1.00 U	1.00 U	1.00 U	0.5 U
cis-1,2-Dichloroethene	1.0 U	1 U	0.2 J	1 U	1 U	1.0 U	0.5 U	0.525 J	1.00 U	1.00 U	0.5 U
Methylene chloride	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	1.00 U	1.00 U	1.00 U	0.5 U
Trichloroethene	1.3	2	2	2	2	2.2	3	4.31	2.78	2.83	3.48
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/8/2013	10/23/2012	10/23/2012	5/22/2012	5/22/2012	10/18/2011	10/18/2011	5/23/2011	5/23/2011	10/13/2010	10/13/2010
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U
Benzene	0.502	0.5 U	0.5 U	0.877	0.899	1.04	1.09	0.753	0.74	5 U	5 U
cis-1,2-Dichloroethene	0.65	0.5 U	0.5 U	0.886	0.829	0.946	0.951	0.742	0.758	5 U	5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U
Trichloroethene	6.13	4.15	4.56	9.2	9.44	10.7	10.8	8.72	9.3	9.14	9.58
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/19/2010	5/19/2010	10/21/2009	10/21/2009	5/20/2009	5/20/2009	10/14/2008	10/14/2008	5/14/2008	5/14/2008	10/23/2007
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Benzene	2.9	3.25	5 U	5 U	1.57	1.43	0.5 U	5 U	1.58	1.6	0.5 U
cis-1,2-Dichloroethene	2.02	2.22	5 U	5 U	0.995	0.901	0.5 U	5 U	0.865	0.843	0.5 U
Methylene chloride	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	25.4	29.1	9.52	10.3	15.1	14.3	5.42	5.09	16.8	16.4	3.19
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/23/2007	5/23/2007	11/14/2006	5/22/2006	10/18/2005	5/23/2005	10/18/2004	5/17/2004	10/21/2003	5/19/2003	10/1/2002	5/13/2002
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	1	0.819	0.5 U	0.5 U
Benzene	0.5 U	0.5 U	0.853	0.972	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.563	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	1.2 B	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	4.48	3.83	7.5	9.23	0.653	5 U	2.21	1.4	0.5 U	0.5 U	0.6	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/16/2001	5/9/2001	11/13/2000	5/17/2000	11/2/1999	10/22/1998	1/14/1997
1,2,3-Trichlorobenzene	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U
Methylene chloride	5 U	5 U	5 U	4 BJ	5 U	6 B	0.5 U
Trichloroethene	5 U	5 U	5 U	3 J	5 U	5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	0.01 U
Aroclor-1221	---	---	---	---	---	---	0.01 U
Aroclor-1232	---	---	---	---	---	---	0.01 U
Aroclor-1242	---	---	---	---	---	---	0.01 U
Aroclor-1248	---	---	---	---	---	---	0.01 U
Aroclor-1254	---	---	---	---	---	---	0.01 U
Aroclor-1260	---	---	---	---	---	---	0.01 U

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/13/2020	10/10/2019	10/12/2018	5/23/2018	9/27/2017	10/18/2016	10/22/2015	12/3/2014	12/3/2014	12/3/2013	5/7/2013
1,4-Dioxane	---	0.3 U	---	0.3 U	0.36	---	0.19 U	---	---	0.20 U	---
Acetone	20 U	20 U	20 U	20 U	20 U	5.0 U	6 U	10.0 U	10.0 U	5.00 U	0.5 U
Carbon Disulfide	5.0 U	5 U	5 U	5 U	5 U	1.0 U	1 U	1.00 U	1.00 U	1.00 UJ	0.5 U
Methane	---	---	---	---	68	---	---	---	---	---	---
Methylene chloride	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	1.00 U	1.00 U	1.00 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/22/2012	5/21/2012	10/17/2011	5/23/2011	10/12/2010	5/18/2010	12/15/2009	10/19/2009	5/20/2009	10/13/2008	5/14/2008
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/23/2007	5/23/2007	11/13/2006	5/22/2006	10/17/2005	5/23/2005	10/19/2004	5/17/2004	10/21/2003	5/19/2003	10/1/2002
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.09 B	0.5 U	0.633 B	2.51	0.5 U	0.5 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	4.51	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	0.5 U	0.5 U	0.5 U	0.935 B	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/14/2002	10/16/2001	5/7/2001	11/13/2000	5/16/2000	11/2/1999	10/22/1998	1/14/1997
1,4-Dioxane	---	---	---	---	---	---	---	---
Acetone	0.5 U	10 U	10 U	10 U	10 U	10 U	10 U	---
Carbon Disulfide	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	---
Methane	---	---	---	---	---	---	---	---
Methylene chloride	0.5 U	5 U	5 U	5 U	7 B	4 BJ	5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	0.01 U
Aroclor-1221	---	---	---	---	---	---	---	0.01 U
Aroclor-1232	---	---	---	---	---	---	---	0.01 U
Aroclor-1242	---	---	---	---	---	---	---	0.01 U
Aroclor-1248	---	---	---	---	---	---	---	0.01 U
Aroclor-1254	---	---	---	---	---	---	---	0.01 U
Aroclor-1260	---	---	---	---	---	---	---	0.01 U

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/13/2020	10/10/2019	10/12/2018	5/24/2018	9/27/2017	10/18/2016	10/22/2015	12/3/2014	12/3/2013	5/9/2013	10/22/2012
1,4-Dioxane	---	---	---	0.3 UJ	0.20 U	---	---	---	0.20 U	---	---
Acetone	20 U	20 U	20 U	20 U	20 U	5.0 U	6 U	10.0 U	5.00 U	0.5 U	0.5 U
Chloromethane	1.0 U	1 U	1 U	1 U	1 UJ	1.0 U	0.5 U	1.00 U	1.00 U	0.5 U	0.5 U
Methylene chloride	1.0 U	1 U	1 U	1 U	1 U	1.0 U	2 U	1.00 U	1.00 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	0.40 U	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	0.40 U	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	0.40 U	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	0.40 U	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	0.40 U	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	0.40 U	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	0.40 U	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/21/2012	10/17/2011	5/23/2011	10/12/2010	5/18/2010	12/15/2009	10/19/2009	5/20/2009	10/13/2008	5/14/2008	10/23/2007
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/23/2007	11/13/2006	5/22/2006	10/18/2005	5/23/2005	10/18/2004	5/17/2004	10/21/2003	5/19/2003	9/30/2002	5/13/2002
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	0.658 B	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	1.45 B	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/16/2001	5/7/2001	11/13/2000	5/16/2000	11/2/1999	10/22/1998	1/14/1997
1,4-Dioxane	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	---
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	0.5 U
Methylene chloride	5 U	5 U	5 U	7 B	5 U	7 B	0.5 U
Aroclor-1016	---	---	---	---	---	---	0.01 U
Aroclor-1221	---	---	---	---	---	---	0.01 U
Aroclor-1232	---	---	---	---	---	---	0.01 U
Aroclor-1242	---	---	---	---	---	---	0.01 U
Aroclor-1248	---	---	---	---	---	---	0.01 U
Aroclor-1254	---	---	---	---	---	---	0.01 U
Aroclor-1260	---	---	---	---	---	---	0.01 U

Historical Detected Concentrations in OPZ-207

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/10/2019	10/10/2019	5/30/2018	5/30/2018	9/29/2017	10/23/2015	12/4/2013	10/23/2012	10/18/2011	10/11/2010	12/15/2009
1,4-Dioxane	13	14	6	6	6.1 J	4.0	0.22	---	---	---	---
Acetone	20 U	---	20 U	20 U	20 U	6 U	5.00 U	5 U	5 U	1.34 J	5 U
Benzene	19	---	10	12	11	14	1.00 U	5 U	5 U	5 U	5 U
Chlorobenzene	0.5 J	---	1 U	1 U	1 U	1 U	1.00 U	5 U	5 U	5 U	5 U
Chloroethane	0.5 J	---	1 U	1 U	1 U	1 U	1.00 U	5 U	5 U	5 U	5 U
Chloroform	1 U	---	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	5 U	5 U
Ethane	---	---	12	23	16	---	---	---	---	---	---
Ethene	---	---	1.8 J	3.8 J	4.4 J	---	---	---	---	---	---
Methane	---	---	720	510	1500	---	---	---	---	---	---
Toluene	1 U	---	1 U	1 U	1 U	0.5 U	1.00 U	5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OPZ-207

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/19/2009	10/13/2008	10/24/2007	11/13/2006	10/17/2005	10/18/2004	10/21/2003	10/1/2002	10/16/2001	11/15/2000	11/2/1999
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U
Benzene	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroethane	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U
Chloroform	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Toluene	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OPZ-207

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/21/1998	4/19/1994	4/19/1994	4/19/1994
1,4-Dioxane	---	---	---	---
Acetone	10 U	---	---	---
Benzene	5 U	0.5 U	0.5 U	1 U
Chlorobenzene	5 U	1 U	0.5 U	0.5 U
Chloroethane	10 U	1 U	0.5 U	0.5 U
Chloroform	5 U	0.5 U	0.5 U	1 U
Ethane	---	---	---	---
Ethene	---	---	---	---
Methane	---	---	---	---
Toluene	5 U	0.5 U	0.5	1 U
Aroclor-1016	---	0.022 U	0.023 U	U
Aroclor-1221	---	0.022 U	0.023 U	U
Aroclor-1232	---	0.022 U	0.023 U	U
Aroclor-1242	---	0.022 U	0.023 U	U
Aroclor-1248	---	0.022 U	0.023 U	U
Aroclor-1254	---	0.022 U	0.023 U	U
Aroclor-1260	---	0.022 U	0.023 U	U

Historical Detected Concentrations in OPZ-217

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/9/2019	5/22/2018	9/26/2017	10/20/2015	12/3/2013	12/3/2013	10/23/2012	10/18/2011	10/13/2010	10/20/2009	10/13/2008
1,4-Dioxane	---	0.6 UJ	0.20 U	---	0.20 UJ	0.20 U	---	---	---	---	---
Acetone	20 U	20 U	20 U	6 U	5.00 U	5.00 U	5 U	5 U	1.11 J	5 U	5 U
Methane	---	---	78	---	---	---	---	---	---	---	---
Toluene	1 U	1 U	1 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U

Historical Detected Concentrations in OPZ-217

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/24/2007	11/13/2006	10/17/2005	10/18/2004	10/20/2003	9/30/2002	10/15/2001	11/14/2000	11/2/1999	10/20/1998	12/28/1996
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.9

APPENDIX C
GROUNDWATER MONITORING FORMS

APPENDIX C.1
SPRING 2020 LOW-FLOW SAMPLING FORMS

6/4/2020

6/4/2020

6/4/2020

6/3/2020

6/4/2020

6/3/2020

6/3/2020

6/3/2020

Low Flow Groundwater Sampling Log

Well ID: OMW-201

Northing: 1358723.4

Easting: 744769.7

Site Name: Dewey Loeffel Landfill

Sampling Method:	Bladder Pump
------------------	--------------

Field Personnel: JFG

Site Location: Nassau, NY

Equipment Used: FA 03 038

Date: 6-16-20

Project #: 71541.402.016

Pump/Controller ID#: FA00316

Weather: Sun 85°

Well information:

Installed Depth of Well*: 108.21 ft. bmp.

Measured Depth of Well*: 108.71 ft. bmp.

Depth to Water*: 103.85 ft.

Length of Water Column (LWC): 44.86 ft.

Well Diameter: 4.0 in.

* Measurement Point:

☒ Well Casing

☐ Protective Casing

☐ Other:

Pump Intake Depth*: 98.21 ft. bmp.

Start Purge Time: 1145

Initial Observations: Color *Clear* Odor *no* Sheen/Free Product *no*

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ($\mu S/cm$)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other (_____)
0	63.85	11.8	7.51	1106	-123.9	3.26	17.6	150	
5	64.03	11.2	7.73	1263	-140.9	4.16	19.1	150	
10	65.81	11.2	7.72	1242	-145.1	3.68	16.9	150	
15	65.61	11.3	7.57	1136	-158.2	4.28	19.8	150	
20	66.11	11.1	7.66	716	-159.8	3.26	17.4	150	
25	66.38	11.1	7.66	922	-152.2	2.64	14.2	150	
30	66.72	11.2	7.59	742	-152.8	2.94	16.1	150	
35	66.86	11.3	7.63	696	-151.3	2.73	16.1	150	
40	67.20	11.1	7.51	673	-155.7	2.85	15.7	150	
45	67.28	11.2	7.45	675	-151.2	2.89	17.1	150	
50	67.40	11.0	7.44	680.6	-137.4	2.82	16.9	150	
55	67.54	11.2	7.42	682.6	-128.3	2.79	22.6	150	
60	67.62	11.1	7.26	628.5	-121.9	2.83	26.4	150	
63	67.72	11.2	7.30	611.4	-118.2	2.78	27.7	150	
66	67.78	11.1	7.26	633.1	-114.9	3.00	28.4	150	
69	67.85	11.1	7.26	625.2	-115.6	2.99	28.8	150	
Stabilization	$\Delta \leq 0.3'$	Not Applicable	± 0.1	$\pm 3\%$	± 10 mV	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$	

End Purge Time: 1754

Total volume of groundwater purged: 6 gal.

Final Observations: Color Clear Odor none Sheen/Free Product none

Sample ID: MW-8-OMW-201-06162020 Sample Time: 1350

Analytical Parameters: VOCs by EPA Method 8260, 1,4-dioxane by EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40-ml	Glass	8	No	HCL	Eurofins Lancaster
250-ml	Amber Glass	4	No	None	Eurofins Lancaster

Notes:

Collect DUP-001-06162020 for VOCs + 1,4-Dioxane

Low Flow Groundwater Sampling Log

Well ID: OMW-204

Northing: 1358978.1

Easting: 745021.6

Site Name: Dewey Loeffel Landfill

Sampling Method: Bladder Pump

Field Personnel: SET

Site Location: Nassau, NY

Equipment Used:

Date: 6/16/20

Project #: 71541.402.016

Pump/Controller ID#: _____

Weather: 75°F, Sunny

Well information:

Installed Depth of Well*: 70.82 ft. bmp.

Measured Depth of Well*: 85.50 ft. bmp.

Depth to Water*: 85.27 ft.

Length of Water Column (LWC): 0.23 ft.

Well Diameter: 4.0 in.

* Measurement Point:

☒ Well Casing

☐ Protective Casing

☐ Other: _____

Pump Intake Depth*: 51.20 ft. bmp.

Start Purge Time: —

Initial Observations: Color — Odor — Sheen/Free Product —

indicate units

[illegible]

End Purge Time: _____

Total volume of groundwater purged: gal.

Final Observations: *Color* ————— *Odor* ————— *Sheen/Free Product* —————

Sample ID: _____ Sample Time: _____

Analytical Parameters: VOCs by EPA Method 8260

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40-ml	Glass	0	No	HCL	Eurofins Lancaster

Notes:

Well is basically dry; only 0.23' water. Can not sample.

TD = 85.50' bme

6/3/2020

Ge-Cep.612\71541.D\2019-Env-Sel\N-D\GWMP Semi-Annual Monitoring\Blank Field Forms\14-Low-Flow Sampling Log smart.xlsx 6/3/2020

6/3/2020

6/3/2020

RAMBOLL		Low Flow Groundwater Sampling Log				Well ID: OMW-219			
Site Name: Dewey Loeffel Landfill		Sampling Method: Bladder Pump		Field Personnel: COW		Northings: 1358221.1			
Site Location: Nassau, NY		Equipment Used: YSI Pro+ (2.2 meter, turbidity probe)		Date: 06/17/2020		Easting: 744773.9			
Project #: 71541.402.016		Pump/Controller ID#:		Weather: 70 clear sunny					
Well information:						* Measurement Point:			
Installed Depth of Well*: 268.18		ft. bmp.				<input checked="" type="checkbox"/> Well Casing			
Measured Depth of Well*: 107.41		ft. bmp.				<input type="checkbox"/> Protective Casing			
Depth to Water*: 107.41		ft.				<input type="checkbox"/> Other: _____			
Length of Water Column (LWC): 160.77		ft.							
Well Diameter: 1.0		in.				Pump Intake Depth*: 247.18 ft. bmp.			
Start Purge Time: 955									
Initial Observations: Color Clear		Odor None		Sheen/Free Product None					
indicate units									
Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (uS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
0	107.41	10.7	9.20	847	160.0	11.06	4.20	200	
5	107.76	10.1	9.82	848	-223.9	3.56	3.52	200	
10	107.86	10.0	9.98	856	-257.1	0.92	6.58	200	
15	107.90	10.2	10.08	873	-271.5	0.43	12.6	200	
20	107.87	10.2	10.02	867	-275.4	0.35	12.5	175	
25	107.83	10.3	9.92	857	-280.4	0.31	12.2	175	
30	107.77	10.2	9.85	845	-276.5	0.28	11.4	175	
35	107.68	10.3	9.80	831	-285.4	0.23	10.58	175	
38:40	107.21	10.3	9.77	826	-286.3	0.22	8.86	175	
45	107.63	10.1	9.72	813	-282.1	0.19	7.54	175	
50	107.56	10.3	9.69	806	-284.6	0.19	7.16	175	
Stabilization Δ ≤ 0.3' Not Applicable ± 0.1 ± 3% ± 10 mV ± 10% ± 10% 100 ≤ X ≤ 500									
End Purge Time: 1045									
Total volume of groundwater purged: 3 gal.									
Final Observations: Color Clear Odor None Sheen/Free Product None									
Sample ID: MLW-B-OMW-219-06172020 Sample Time: 1050									
Analytical Parameters: VOCs by EPA Method 8260									
Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory				
40-ml	Glass	3	No	HCL	Eurofins Lancaster				
Notes: 90 ish PSI @ 4/min									

APPENDIX C.2
SPRING 2020 GROUNDWATER SAMPLE CHAIN-OF-CUSTODY FORMS



410-4880 Chain of Custody

RAMBOLLSDG: GWM 09

PO: 11900711

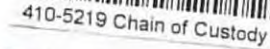
Dewey Loeffel Landfill Superfund Site

Ramboll Office: Albany Address: Ramboll 94 New Kimer Rd, Suite 106, Albany, N.Y. 12203 Phone: (518) 724-7272 Fax: (518) 869-2945 Project Contact: Robert Hornung / Amy Spooner-Stevens / Jesse Vollick Email: Robert.Hornung@ramboll.com / Amy.Spooner-Stevens@ramboll.com / Jesse.Vollick@ramboll.com		Client: Site Name / Location: GE-CEP/SI Group, Inc.: Dewey Loeffel Landfill / Nassau, N.Y.		Sampling Program: 1st Semi-Annual Groundwater Monitoring Program Sampling Event		Samplers: Sarah Traval, John Gandner, Chris Weiman <i>[Signatures]</i>		LAB USE ONLY Project Number:	
Laboratory: Megan Mueller Eurofins Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 Phone: (717) 656-2300 Fax: (717) 656-6766		Analysis Holding Time: Refer to the UFP QAPP (OBG, September 2015) for the analysis holding times. Package Requirement: Full CLP Level w/28 calendar day TAT Project Number: 71541.402.200 EDD Format: EQuIS 4-File & USEPA Region 2		Chemical Preservatives: (see key at bottom)		Lab ID:		Job Number:	
Sample Identification		Grab (G) or Composite (C)		Field Filtered (V/N)		Reporting Units		Lab Sample ID	
Unique Field Sample ID	Sample Location	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (see key)	Sample Matrix (see key)	# of Containers	ug/L	ug/L	
1 MW-B-OMW-219-06172020	OMW-219	06/17/20	10:50	N	WG	3	G	X	
2 MW-B-OMW-215-06172020	OMW-215	06/17/20	10:51	N	WG	5	G	X	X
3 GW-06172020-EB	—	06/17/20	12:50	EB	WQ	5	G	X	X
4 MW-B-DBH-03A-06172020	DBH-03A	06/17/20	15:10	N	WG	5	G	X	X
5 MW-B-DBH-03B-06172020	DBH-03B	06/17/20	15:15	N	WG	5	G	X	X
6 MW-B-DBH-03C-06172020	DBH-03C	06/17/20	15:20	N	WG	5	G	X	X
7 MW-B-DBH-03D-06172020	DBH-03D	06/17/20	15:25	N	WG	5	G	X	X
8 MW-OMB-VSMW-015-06172020	VSMW-015	06/17/20	15:45	N	WG	5	G	X	X
9 GW-06172020-TB	—	06/17/20	—	TB	WQ	2	G	X	
10									

Special Instructions: 1. 28 calendar day turnaround time per UFP QAPP. 2. Report detections above the MDL, but below the PQL ("J" flags). Custody seal numbers: Custody seals 80153, 80154

Relinquished by: <i>[Signature]</i> of: Ramboll	Date: 6-17-20 Time: 1800	Received by: FedEx Tracking Number(s): 81609540 8345	Date: 6-17-20 Time: 1800	Condition: intact	Comments or Notes: Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015), 28 calendar day TAT for Full CLP Level Plg (PDF) and EQuIS 4-file and USEPA Region 2 Version 4 EDD with USEPA Region 2 Reference Values.
Relinquished by: _____ of: _____	Date: _____ Time: _____	Received by: _____ of: _____	Date: _____ Time: _____	Custody Seals Intact? Y N	
Relinquished by: _____ of: _____	Date: _____ Time: _____	Received by: MR EIE of: _____	Date: 6/18/20 Time: 1017	Cooler Temperature: 1.5	

Sample Type: N = Normal environmental sample, FD = field duplicate, EB = Equipment Blank, FB = Field Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify):
 Sample Matrix: SE = Sediment, SO = Soil, WG = Ground Water, WS = Surface Water, WW = Waste Water, WQ = Water Quality, TA = Animal Tissue, TP = Plant Tissue, AA = Ambient Air, Other (Specify):
 Preservatives Code: 0 = none, 1 = HCl, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Ascorbic Acid, 6 = MeOH, 7 = NaHSO4, 8 = Na2S2O3, 9 = H3PO4, 10 = Zinc acetate + NaOH



SR



SDG: GWM 10

PO: 11900711



410-5535 Chain of Custody

Dewey Loeffel Landfill Superfund Site

EDW 6/23/20

Page 1 of 1

Ramboll Office: Albany Address: Ramboll 94 New Karner Rd, Suite 106, Albany, N.Y. 12203 Phone: (518) 724-7272 Fax: (518) 859-2945 Project Contact: Robert Hornung / Amy Spooner-Stevens / Jesse Vollick Email: Robert.Hornung@ramboll.com / Amy.Spooner-Stevens@ramboll.com / Jesse.Vollick@ramboll.com		Client: Site Name / Location: GE-CEP/St Group, Inc.: Dewey Loeffel Landfill / Nassau, N.Y.		Sampling Program: 1st Semi-Annual Groundwater Monitoring Program Sampling Event		Samplex: Sarah Travallo John Gardner Chita Weiman <i>Sarah Travallo</i>		Lab Use Only Project Number: Lab ID: Job Number:															
Laboratory: Megan Mueller Eurofins Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 Phone: (717) 656-2300 Fax: (717) 656-6766		Analysis Holding Time: Refer to the UFP QAPP (OBG, September 2015) for the analysis holding times. Package Requirements: Full CLP Level w/28 calendar day TAT Project Number: 71541402200 EDD Format: EQuIS 4-File & USEPA Region 2		Chemical Preservatives: (see key at bottom)		Grab (G) or Composite (C)		Field Filtered (V/N)															
Sample Identification		Unique Field Sample ID		Sample Location		Sample Date (mm/dd/yy)		Sample Time (hh:mm)		Sample Type (see key)		Sample Matrix (see key)		# of Containers		Reporting Units		ug/L		mg/L		Lab Sample ID	
1		MW-B-EPA-3B-06232020		EPA-3B		06/23/20		13:22		N		WG		3		G		X					
2		MW-B-EPA-3C-06232020		EPA-3C		06/23/20		13:25		N		WG		3		G		X					
3		GW-06232020-TB		—		06/23/20		—		TD		WG		2		G		X					
4																							
5																							
6																							
7																							
8																							
9																							
10																							
Special Instructions: 1. 28 calendar day turnaround time per UFP QAPP. 2. Report detections above the MDL, but below the PQL ("J" flags). Custody seal numbers: CUSTODY SEAL - 80162 / 80161																							
Relinquished by: CHRIS WEIMAN of: Ramboll				Date: 6-23-2020 Time: 1545				Received by: Fedex (CPW 6/17/20) Tracking Number: 816816096408390				Date: 6-23-2020 Time: 1545				Condition:				Comments or Notes: Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015), 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQuIS 4-file and USEPA Region 2 Version 4 EDD with USEPA Region 2 Reference Values.			
Relinquished by:				Date:				Received by:				Date:				Custody Seal Intact? 0 N							
of:				Time:				of:				Time:				Cooler Temperature: 1.5°C							
Relinquished by:				Date:				Received by:				Date: 6/24/2020											
of:				Time:				of:				Time: 1048											
Sample Type: N = Normal environmental sample, FD = field duplicate, EB = Equipment Blank, FB = Field Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify): Sample Matrix: SE = Sediment, SO = Soil, WG = Ground Water, WS = Surface Water, WW = Waste Water, WQ = Water Quality, TA = Animal Tissue, TP = Plant Tissue, AA = Ambient Air, Other (Specify): Preservatives Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Ascorbic Acid, 6 = MeOH, 7 = NaHSO4, 8 = Na2S2O3, 9 = H3PO4, 10 = Zinc acetate + NaOH																							

APPENDIX C.3
FALL 2020 LOW-FLOW SAMPLING FORMS

10/7/2020

10/7/2020

10/7/2020

10/7/2020

10/7/2020

10/7/2020

10/7/2020

10/7/2020

10/7/2020

10/7/2020

10/7/2020

<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> RAMBOLL </div> <div> Low Flow Groundwater Sampling Log </div> <div style="text-align: right;"> Well ID: OMW-102 Northings: 1358716.5 Easting: 744738.3 </div> </div>									
Site Name: Dewey Loeffel Landfill Site Location: Nassau, NY Project #: 1940071541.402.016		Sampling Method: Bladder Pump Equipment Used: YSI / Turbidity Meter Equipment IDs#: 0470 / 2115		Field Personnel: CDW Date: 11/10/20 Weather: 60° Sunny					
Well information: <div style="display: flex; justify-content: space-between;"> <div> Installed Depth of Well*: 78.04 ft. bmp. Measured Depth of Well*: --- ft. bmp. Depth to Water*: 64.68 ft. Length of Water Column (LWC): 13.36 ft. Well Diameter: 4.0 in. </div> <div> * Measurement Point: <input checked="" type="checkbox"/> Well Casing <input type="checkbox"/> Protective Casing <input type="checkbox"/> Other: _____ </div> </div> <div style="text-align: right; margin-top: 10px;"> Pump Intake Depth*: 72.99 ft. bmp. </div>									
Start Purge Time: 105 Initial Observations: Color <u>Clear</u> Odor <u>Sulfur</u> Sheen/Free Product <u>none</u> <div style="text-align: center; font-size: small;">indicate units</div>									
Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
0	64.68	10.9	6.83	491.5	83.9	8.17	8.73	500	
5	66.09	11.0	6.93	867	-82.5	.28	9.67	250	
10	66.56	10.9	6.719	830	-136.7	.20	9.57	325	
15	66.60	10.7	7.27	797	-152.4	.15	10.83	275	
20	67.43	10.7	7.35	737.3	-170.0	.16	11.32	275	
25	68.31	10.7	7.42	677.8	-185.6	.16	10.66	275	
30	68.80	10.8	7.48	639.4	-196.1	.14	11.63	275	
35	69.24	10.8	7.52	593.0	-202.9	.14	12.16	200	
40	69.57	11.2	7.54	550.0	-262.2	.13	11.97	200	
45	69.75	11.7	7.53	531.7	-199.6	.14	11.12	125	
50	69.90	11.8	7.53	516.5	-194.1	.14	11.54	125	
55	70.06	11.9	7.53	501.4	-189.1	.15	11.17	150	
60	70.12	12.1	7.55	499.8	-185.7	.15	11.34	150	
63	70.31	11.8	7.52	492.4	-176.8	.16	11.5	150	
66	70.43	12.0	7.53	491.2	-173.6	.17	11.7	125	
69	70.51	12.1	7.51	470.9	-168.0	.17	11.6	125	
Stabilization	Δ ≤ 0.3'	Not Applicable	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	
End Purge Time: 1124 Total volume of groundwater purged: 4.5 gal. Final Observations: Color <u>Clear</u> Odor <u>Sulfur / Cream</u> Sheen/Free Product <u>none</u>									
Sample ID: MU-B-OMW-102-11102020 / DUPD01-11102020 Sample Time: 1130									
Analytical Parameters: TCL VOCs by USEPA SW-846 Method 8260C, 1,4-Dioxane by USEPA SW-846 Method 8270D SIM									
Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory				
40-ml	Glass	3 4	No	HCL	ETA Lancaster				
250-ml	Amber Glass	3 6	No	None	ETA Lancaster				
Notes: Collected dup-001 for VOCs + 1,4-Dioxane									

10/7/2020

10/7/2020

RAMBOLL		Low Flow Groundwater Sampling Log		Well ID:	OMW-202				
				Northings:	1358312.1				
				Easting:	744541.7				
Site Name:	Dewey Loeffel Landfill	Sampling Method:	Bladder Pump	Field Personnel:	CDJ				
Site Location:	Nassau, NY	Equipment Used:	YSI / Turbidity Meter	Date:	11/12/2020				
Project #:	1940071541.402.016	Equipment IDs#:	0915 / 2115	Weather:	mid 40s, scattered rain				
Well information:				* Measurement Point:					
Installed Depth of Well*:		114.37	ft. bmp.	<input checked="" type="checkbox"/> Well Casing					
Measured Depth of Well*:		---	ft. bmp.	<input type="checkbox"/> Protective Casing					
Depth to Water*:		97.69	ft.	<input type="checkbox"/> Other: _____					
Length of Water Column (LWC):		16.68	ft.						
Well Diameter:		4.0	in.	Pump Intake Depth*:	109.35 ft. bmp.				
Start Purge Time: 1025									
Initial Observations: Color <u>clear</u> Odor <u>none</u> Sheen/Free Product <u>none</u>									
indicate units									
Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (µS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
0	97.64	9.7	9.04	480.4	209.8	5.99	20.6	100	
5	97.82	9.6	9.24	419.4	201.1	4.47	16.2	150	
10	97.83	9.5	9.34	390.8	197.9	2.81	13.8	150	
15	97.84	9.5	9.44	389.2	195.3	2.07	10.	150	
20	97.85	9.5	9.42	391.2	195.1	1.75	8.95	150	
25	97.85	9.5	9.37	394.9	194.9	1.46	7.09	150	
30	97.87	9.5	9.31	399.7	195.4	1.09	10.23	200	
35	97.87	9.6	9.31	3402.1	194.1	1.44	11.71	200	
40	97.87	9.6	9.30	407.1	192.3	1.59	12.88	200	
45	97.88	9.6	9.18	418.2	191.6	1.20	13.09	200	
50	97.90	9.6	9.12	425.9	189.8	1.25	13.1	200	
55	97.91	9.6	9.10	431.1	188.1	1.35	15.2	200	
60	97.93	9.6	9.16	434.8	187.7	1.87	26.8	200	
65	97.94	9.6	9.14	437.9	186.1	2.32	39.8	200	
70	97.94	9.6	8.95	463.6	184.8	1.64	32.4	200	
75	97.95	9.6	8.86	478.1	183.0	1.46	29.8	200	
80	97.95	9.6	8.74	494.6	182.3	1.21	27.8	200	
85	97.96	9.6	8.55	524.3	181.9	1.03	25.7	200	
90	97.95	9.6	8.40	546.6	178.0	0.97	26.5	200	
95	97.95	9.6	8.26	564.5	176.7	0.78	21.1	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	
End Purge Time: 1211									
Total volume of groundwater purged: 5.5 gal.									
Final Observations: Color <u>clear w/ brown tint</u> Odor <u>none</u> Sheen/Free Product <u>none</u>									
Sample ID: MW-B-OMW-202-1122020/DUP-002-1122020 Sample Time: 1215									
Analytical Parameters: TCL VOCs by USEPA SW-846 Method 8260C									
Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory				
40-ml	Glass	3	No	HCL	ETA Lancaster				
Notes: collected dup 002 here 58.59 psi x4/min									

- See P. 2 -

indicate units

Notes: _____

Page 2 of 2

10/7/2020

Site Name:	Dewey Loeffel Landfill
Site Location:	Nassau, NY
Project #:	1940071541.402.016

Sampling Method:	Bladder Pump
Equipment Used:	YSI / Turbidity Meter
Equipment IDs#:	0470 / 215

Field Personnel: CDU
Date: 11/11/70
Weather: 60°, light rain

Well information:

Installed Depth of Well*:	<u>55.37</u>	ft. bmp.
Measured Depth of Well*:	<u>---</u>	ft. bmp.
Depth to Water*:	<u>32.22</u>	ft.
Length of Water Column (LWC):	<u>23.15</u>	ft.
Well Diameter:	4.0	in.

* Measurement Point:

☒ Well Casing

☐ Protective Casing

☐ Other: _____

Pump Intake Depth*: 44.15 ft. bmp.

Start Purge Time: 1310

Initial Observations: Color clear Odor none Sheen/Free Product none

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ($\mu\text{S}/\text{cm}$)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
0	32.72	11.4	8.34	422.3	117.8	2.89	13.19	206	
5	32.77	11.3	8.01	427.6	-82.9	1.36	12.32	200	
10	33.07	10.7	7.88	427.1	-109.7	.75	12.21	160	
15	33.18	11.6	7.84	428.6	-117.8	.56	12.25	160	
20	33.32	11.5	7.86	429.0	-126.2	.41	9.54	160	
25	33.46	11.6	7.85	428.8	-128.9	.36	9.60	160	
30	33.56	11.5	7.81	428.6	-133.1	.35	9.39	160	
35	32.62	11.7	7.89	428.4	-134.0	.34	9.51	160	
Stabilization	$\Delta \leq 0.3'$	Not Applicable	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$	

End Purge Time: 1345

Total volume of groundwater purged: 2.5 gal.

Final Observations: Color clear Odor none Sheen/Free Product ~~1350~~ none

Sample ID: M1-B-OMW-205-1112020

Sample Time: 1350

Analytical Parameters:

TCL VOCs by USEPA SW-846 Method 8260C, 1,4-Dioxane by USEPA SW-846 Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40-ml	Glass	3	No	HCL	ETA Lancaster
250-ml	Amber Glass	2	No	None	ETA Lancaster

Notes:

Se-Cep.612\71541.DII-2019-Env-Se\N-D\GWMP Semi-Annual Monitoring\Blank Field Forms\14-Low-Flow Sampling Log_Fall.xlsx 10/7/2020

10/7/2020

3e-Sep.612\71541.D\1-2019-Env-Sel\N-D\GWMP Semi-Annual Monitoring\Blank Field Forms\14-Low-Flow Sampling Log_Fall.xlsx

10/7/2020

3e-Cep.612\71541.D\2019-Env-Se\N-D\GWMP Semi-Annual Monitoring\Blank Field Forms\14-Low-Flow Sampling Log_Fall.xlsx 10/7/2020

10/7/2020

Se-Cep.612\71541.D\1-2019-Env-Se\N-D\GWMP Semi-Annual Monitoring\Blank Field Forms\14-Low-Flow Sampling Log_Fall.xls#10/7/2020

APPENDIX C.4
FALL 2020 GROUNDWATER SAMPLE CHAIN-OF-CUSTODY FORMS

RAMBOLL

1940000783
PO: 41900711 11/10/20

Dewey Loeffel Landfill Superfund Site



410-20426 Chain of Custody

Ramboll Officer: Albany Address: Ramboll 94 New Karner Rd, Suite 106, Albany, N.Y. 12203 Phone: (518) 724-7272 Fax: (518) 869-2945 Project Contact: Robert Homung / Amy Spooner-Stevens / Jesse Vollick Email: Robert.Homung@ramboll.com / Amy.Spooner-Stevens@ramboll.com / Jesse.Vollick@ramboll.com		Client: Site Name / Location: G1/CLP/SL Group, Inc. Dewey Loeffel Landfill / Nassau, N.Y.		Sampling Program: 2nd Semi-Annual Groundwater Monitoring Program Sampling Event		Samplers: Sarah Traval John Weiman <i>Handwritten signatures: Sarah Traval, John Weiman</i>		Project Number:
Laboratory: Slegan Mueller Curdins Lancaster Laboratories, Inc. 2425 New Holland Pkwy Lancaster, PA 17601 Phone: (717) 656-2300 Fax: (717) 656-6766		Analysis Holding Time: Refer to the UFP (QAPP) (OBG, September 2015) for the analysis holding times. Package Requirement: Full CLP Level w/28 calendar day TAT Project Number: 1940071541-402200 EDD Format: 1: QULS 4-File & USEPA Region 2		Chemical Preservatives: (see key at bottom)		Lab ID:		
				Grab (G) or Composite (C)		Job Number:		
				Field Filtered (Y/N)				

Sample Identification		Sample Date		Sample Time		Sample Type		Sample Matrix		# of Containers		Reporting Units		Lab Sample ID	
Unique Field Sample ID	Sample Location	(mm/dd/yy)	(hh:mm)	(see key)	(see key)							ug/L	ug/L		
1 MW-B-OMW-102-11102020	OMW-102	11/10/20	11:30	N	WG	5	G	X	X						
2 MW-B-OMW-201-11102020	OMW-201	11/10/20	13:25	N	WG	5	G	X	X						
3 MW-B-EPA-4A-11102020	EPA-4A	11/10/20	14:00	N	WG	5	G	X	X						
4 MW-B-EPA-4A-11102020-MS	EPA-4A	11/10/20	14:00	MS	WQ	5	G	X	X						
5 MW-B-EPA-4A-11102020-MSD	EPA-4A	11/10/20	14:00	MS	WQ	5	G	X	X						
6 MW-B-EPA-4B-11102020	EPA-4B	11/10/20	14:10	N	WG	5	G	X	X						
7 DUP-001-11102020	-	11/10/20	-	FD	WG	5	G	X	X						
8 GW-11102020-TB	-	11/10/20	-	TB	WQ	2	G	X							
9															
10															

Special Instructions: 1. 28 calendar day turnaround time per UFP QAPP. 2. Report detections above the MDL, but below the PQL ("J" flags). Custody seal numbers:

Wstudy seals: #1248483 & 1248482

Relinquished by: <i>[Signature]</i> Date: 11/10/20 Time: 1630	Received by: FedEx Date: 11/10/20 Time: 1630	Condition: Good. Custody Seal Intact: Y N	Comments or Notes: Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015). 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQLS 4-File and USEPA Region 2 Version 4 EDD with USEPA Region 2 Reference Values.
Relinquished by: Date: Time:	Received by: Date: Time:	Custody Seal Intact:	
Relinquished by: Date: Time:	Received by: FLVE Date: 11/11/20 Time: 1440	Cooler Temperature: 4.3°C	

Sample Type: N = Normal environmental sample, FD = field duplicate, EB = Equipment Blank, FB = Field Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify):

Sample Matrix: SE = Sediment, SO = Soil, WG = Ground Water, WS = Surface Water, WW = Waste Water, WQ = Water Quality, TA = Animal Tissue, TP = Plant Tissue, AA = Ambient Air, Other (Specify):

Preservatives Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Ascorbic Acid, 6 = MeOH, 7 = NaHSO4, 8 = Na2SO3, 9 = H3PO4, 10 = Zinc acetate + NaOH

CML

CS

RAMBOLL		PO: H900711- SP 11/14/20		Dewey Loeffel Landfill Superfund Site										Page 1 of 1											
				Client: Site Name / Location: GLC/FPI Group, Inc.: Dewey Loeffel Landfill / Nassau, N.Y.		Sampling Program: 2nd Semi-Annual Groundwater Monitoring Program Sampling Event		Samples: Solid/Liquids Solid Only		Chris Weiman CW		Lab Use Only													
				Laboratory: Morgan Mueller Pumilio Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601		Analysis Holding Time: Refer to the UFP QAPP (OIG, September 2015) for the analysis holding times.		Grab (G) or Composite (C)		Chemical Preservatives: (see key at bottom)															
				Package Requirement: Full CLP Level w/28 calendar day IAT		Project Number: 1940071541-402280				EDD Format: EQuIS 4-file & USEPA Region 2															
Ramboll Office: Albany Address: Ramboll 94 New Karner Rd, Suite 106, Albany, N.Y. 12203 Phone: (518) 724-7272 Fax: (518) 869-2945 Project Contact: Robert Homung / Amy Spooner-Stevens / Jesse Vollick Email: Robert.Homung@ramboll.com / Amy.Spooner-Stevens@ramboll.com / Jesse.Vollick@ramboll.com				Phone: (717) 656-2300 Fax: (717) 656-0766																					
Sample Identification																									
Unique Field Sample ID		Sample Location		Sample Date (mm/dd/yy)		Sample Time (hh:mm)		Sample Type (see key)		Sample Matrix (see key)		# of Containers		Reporting Units		Lab Sample ID									
1 MW-B-OMW-202-11122020		OMW-202		11/12/20		12:15		N WG		3		G X													
2 MW-B-EPA-4A-11122020		EPA-4A		11/12/20		14:20		N WG		5		G X X													
3 MW-B-EPA-4A-11122020-MS		EPA-4A		11/12/20		14:20		MS WQ		3		G X													
4 MW-B-EPA-4A-11122020-MSD		EPA-4A		11/12/20		14:20		MS WQ		3		G X													
5 MW-B-EPA-4B-11122020		EPA-4B		11/12/20		14:25		N WG		5		G X X													
6 MW-B-OMW-215-11122020		OMW-215		11/12/20		14:35		N WG		5		G X X													
7 DUP-002-11122020		—		11/12/20		—		FD WG		3		G X													
8 GW-11122020-TB		—		11/12/20		—		TB WQ		2		G X													
9																									
10																									
Special Instructions: 1. 28 calendar day turnaround time per UFP QAPP. 2. Report detections above the MDL, but below the PQL ("J" flags). Custody seal numbers:																									
Custody Seal #s: 91287 & 91290																									
Relinquished by: [Signature]				Date: 11/12/20		Received by: Redex				Date: 11/12/20		Condition:				Comments or Notes: Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OIG, September 2015), 28 calendar day IAT for Full CLP Level PKG (PDF) and EQuIS 4-file and USEPA Region 2 Version 4 EDD with USEPA Region 2 Reference Values.									
of: Ramboll				Time: 1700		Tracking Number(s): 8161 4706 8362				Time: 1700		Custody Seals Intact: 0 N													
Relinquished by:				Date:		Received by:				Date:		Custody Temperature: 0.6"													
of:				Time:		of:				Time:															
Relinquished by:				Date:		Received by: [Signature]				Date: 11/13/20		Custody Temperature: 0.6"													
of:				Time:		of: ELUF				Time: 1037															

Sample Type: N = Normal environmental sample, FD = field duplicate, EB = Equipment Blank, FB = Field Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify):
Sample Matrix: SE = Sediment, SO = Soil, WG = Ground Water, WS = Surface Water, WW = Waste Water, WQ = Water Quality, TA = Animal Tissue, TP = Plant Tissue, AA = Ambient Air, Other (Specify):
Preservatives Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Ascorbic Acid, 6 = MeOH, 7 = NaHSO4, 8 = Na2S2O3, 9 = H3PO4, 10 = Zinc acetate + NaOH

RAMBOLL

1940000783
PO: 11900711 *ST* 11/13/20

Dewey Loeffel Landfill Superfund

410-20957 Chain of Custody



Client: Site Name / Location: GLE/CLP/SI Group, Inc. Dewey Loeffel Landfill / Nassau, N.Y.		Sampling Program: 2nd Semi-Annual Groundwater Monitoring Program Sampling Event		Samplers: Sarah Travalis <i>Sarah Travalis</i>		Lab Use Only Project Number:																																									
Ramboll Office: Albany Address: Ramboll 94 New Karier Rd, Suite 106, Albany, N.Y. 12203 Phone: (518) 724-7272 Fax: (518) 869-2945 Project Contact: Robert Homung / Amy Spooner Stevens / Jesse Vollick Email: Robert.Homung@ramboll.com / Amy.SpoonerStevens@ramboll.com / Jesse.Vollick@ramboll.com		Laboratory: Megan Mueller Huntline Lancaster Laboratories, Inc. 2425 New Holland Pike Lancaster, PA 17601 Phone: (717) 656-2300 Fax: (717) 656-6766		Analysis Holding Time: Refer to the UFP QAPP (OBG, September 2015) for the analysis holding times. Package Requirement: Full CLP Level w/28 calendar day TAT Project Number: 1940071541-402200 EDD Format: 1.0uLS 4-File & USEPA Region 2		Chemical Preservatives: (see key at bottom) <table border="1"> <tr> <th>1</th> <th>0</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> </tr> <tr> <td>1</td> <td>0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		1	0																			1	0																		
1	0																																														
1	0																																														
Sample Identification		Grab (G) or Composite (C)		Field Filtered (Y/N)		Reporting Units		Lab ID:																																							

Unique Field Sample ID	Sample Location	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (see key)	Sample Matrix (see key)	# of Containers	Reporting Units	ug/L	ug/L											Lab Sample ID
1 MW-B-OMW-222-11132020	OMW-222	11/13/20	11:10	N	WG	3	G	X												
2 MW-B-OMW-223-11132020	OMW-223	11/13/20	13:00	N	WG	3	G	X												
3 MW-B-EPA-1A-11132020	EPA-1A	11/13/20	14:55	N	WG	5	G	X	X											
4 MW-B-EPA-1B-11132020	EPA-1B	11/13/20	15:00	N	WG	5	G	X	X											
5 MW-B-EPA-1C-11132020	EPA-1C	11/13/20	15:05	N	WG	5	G	X	X											
6 GW-11132020-TB	—	11/13/20	—	TB	WQ	2	G	X												
7																				
8																				
9																				
10																				

Special Instructions: 1. 28 calendar day turnaround time per UFP QAPP. 2. Report detections above the MDL, but below the PQL ("J" flags). Custody seal numbers:

Custody Seals #: 91289 + 91285

Relinquished by: <i>CML</i> of: <i>Ramboll</i>	Date: 11-13-20 Time: 1700	Received by: <i>FedEx</i> Tracking Number(s): 8161 4706 8373	Date: 11-13-20 Time: 1700	Condition:	Comments or Notes: Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015). 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQLS 4-File and USEPA Region 2 Version 4 EDD with USEPA Region 2 Reference Values.
Relinquished by:	Date: Time:	Received by:	Date: Time:	Custody Seals Intact: Y N	
Relinquished by:	Date: Time:	Received by: <i>ELLE</i>	Date: 11/14/20 Time: 102	Cooler Temperature: 1.6	

Sample Type: N = Normal environmental sample, FD = field duplicate, EB = Equipment Blank, FB = Field Blank, TB = Trip Blank, MS = Lab Matrix Spike, Other (Specify):
 Sample Matrix: SE = Sediment, SO = Soil, WG = Ground Water, WS = Surface Water, WW = Waste Water, WQ = Water Quality, TA = Animal Tissue, TP = Plant Tissue, AA = Ambient Air, Other (Specify):
 Preservatives Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Ascorbic Acid, 6 = MeOH, 7 = NaHSO4, 8 = Na2S2O3, 9 = H3PO4, 10 = Zinc acetate + NaOH

APPENDIX D

DATA QUALITY EVALUATION

APPENDIX D DATA QUALITY EVALUATION

CONTENTS

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1.1.1	Volatile Organic Analyses	2
1.1.2	1,4-Dioxane Analyses	3
1.2	Fall 2020 Sample Results	4
1.2.1	Volatile Organic Analyses	4
1.2.2	1,4-Dioxane Analyses	5

1. Data Quality Review

Data quality reviews were performed on the data collected as part of the groundwater monitoring program in 2020. During the Spring and Fall 2020 sampling events, samples were collected and analyzed for VOCs and 1,4-dioxane by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C and 8270D selected-ion monitoring (SIM), respectively, as shown in Tables 4-1 and 4-2, respectively. Analyses were performed by Eurofins Lancaster Laboratories Environmental, LLC (ELLE) of Lancaster, Pennsylvania. Additional sampling was performed during the both the Spring and Fall 2020 sampling events in conjunction with supplemental groundwater sampling at select monitoring wells and multi-level monitoring well ports at the request of USEPA under the RI/FS Work Plan. The results of the supplemental groundwater sampling performed at the request of USEPA will be discussed in the revised SCSR Addendum and are not included in the discussion below.

Results of the data quality review performed on the groundwater samples collected during the Spring and Fall 2020 sampling events are provided in Sections 1.1 and 1.2, respectively. The VOC and 1,4-dioxane analytical data from the Spring and Fall 2020 sampling events are summarized in a detects-only tabular format in Tables 4-5 through 4-8. The analytical result forms for both the Spring and Fall 2020 sampling events are presented in Appendix E.

The purpose of the data quality review is to provide an assessment regarding data quality. The laboratory reports were reviewed and the following quality assurance/quality control (QA/QC) parameters were assessed:

- Case narrative
- Chain-of-custody record
- Sample preservation
- Sample holding time
- Method blanks
- Surrogate spike recoveries
- Laboratory control sample (LCS) recoveries

- Matrix spike/matrix spike duplicate (MS/MSD) results
- Blind field duplicate sample precision
- Reported practical quantitation limits (PQLs)
- Trip blank sample results
- Document completeness.

During the review, data were assessed to verify that the measurement was conducted in accordance with the quality assurance criteria specified for that measurement. Data usability was established as a result of the data quality review using the following data qualifiers:

"J" Indicates that the detected concentration should be considered an estimated value. The decision to add the "J" qualifier is based on the quantitative criteria contained in data validation guidelines. The identity of the analyte is not brought into question. However, the "J" qualifier results in a loss of confidence in the accuracy of the detected concentration, and, therefore is presented as an estimated value. The "J" qualifier is also applied to concentrations detected above the method detection limit, but below the PQL.

Overall Data Assessment

For the Spring and Fall 2020 sampling events, 100 percent (%) of the data were determined to be usable for qualitative and quantitative purposes based on the data quality review. Less than 0.5% of the data collected as part of the Spring and Fall 2020 sampling events were qualified, as discussed in Sections 1.1 and 1.2, respectively.

1.1 Spring 2020 Sample Results

1.1.1 Volatile Organic Analyses

The samples analyzed for VOCs during the Spring 2020 sampling event are shown in Table 4-1. While the majority of the samples were analyzed by ELLE, a subset of the samples were analyzed by Eurofins TestAmerica, Inc. (TestAmerica) of Edison, New Jersey due to analytical instrument malfunctions and the subsequent reduction in analysis capacity at ELLE. The samples analyzed by TestAmerica included three samples collected from multi-level monitoring well EPA-2 (EPA-2A, EPA-2B and EPA-2C), two samples collected from multi-level monitoring well EPA-3 (EPA-3B and EPA-3C), and the trip blanks shipped with samples collected on June 18, 2020 and June 23, 2020. The PQLs reported by TestAmerica were consistent with or lower than those reported by ELLE.

The following QA/QC parameters for VOCs were found to meet QC criteria or if not, did not result in qualification of the data in the Spring 2020 sampling event: case narrative; chain-of-custody records; sample preservation; method blanks; surrogate spike recoveries; LCS recoveries; MS/MSD results; blind field duplicate sample precision; reported PQLs; trip blank results; and, document completeness. Field QA/QC sample result details, as well as excursions that resulted in qualification of the data, are summarized below.

Blind Field Duplicate Results

During the Spring 2020 sampling event, blind duplicate sample DUP-001-06162020 was collected from

monitoring well OMW-201. The detected analytes had relative percent difference (RPD) values below the QC criteria of 50%.

MS/MSD Results

During the Spring 2020 sampling event, MS/MSD sample pairs were collected from two multi-level monitoring well ports sampled at the request of USEPA under the RI/FS Work Plan; MS/MSD sample pairs were not collected from monitoring wells or monitoring well ports sampled under the GWMP. Although some of the percent recoveries in the MS and/or MSD were above the QC limits in one of the two MS/MSD sample pairs, qualification of the parent sample was not necessary and samples collected under the GWMP were unaffected.

Sample Holding Time

The samples collected from multi-level monitoring well ports EPA-1B and EPA-1C were analyzed undiluted and with a 10-fold dilution. Due to laboratory error, the 10-fold dilutions of both samples were analyzed on July 14, 2020, which is 25 days after sample collection and 11 days past the 14-day holding time. As a result of the analyses performed outside the holding time, the results reported from the 10-fold dilution were qualified as estimated (J) as follows:

- cis-1,2-Dichloroethene (cDCE) in multi-level monitoring well EPA-1B at 730 J micrograms per liter (µg/L).
- Trichloroethene (TCE) in multi-level monitoring well port EPA-1B at 440 J µg/L.
- cDCE in multi-level monitoring well port EPA-1C at 870 J µg/L.

1.1.2 1,4-Dioxane Analyses

The samples analyzed for 1,4-dioxane during the Spring 2020 sampling event are shown in Table 4-1. The following QA/QC parameters for 1,4-dioxane were found to meet QC criteria or if not, did not result in qualification of the data during the Spring 2020 sampling event: case narrative; chain-of-custody records; sample preservation; sample holding time; method blanks; surrogate spike recoveries; LCS recoveries; MS/MSD results, blind field duplicate sample precision; reported PQLs and, document completeness. Field QA/QC sample result details are summarized below.

Blind Field Duplicate Results

During the Spring 2020 sampling event, blind duplicate sample DUP-001-06162020 was collected from monitoring well OMW-201. The 1,4-dioxane detections had an RPD value below the QC criteria of 50%.

MS/MSD Results

During the Spring 2020 sampling event, an MS/MSD sample pair was collected from a multi-level monitoring well port sampled at the request of USEPA under the RI/FS Work Plan; an MS/MSD sample pair was not collected from monitoring wells or monitoring well ports sampled under the GWMP. The percent recoveries of 1,4-dioxane in the MS and MSD were below the QC limits and the detected 1,4-dioxane result was qualified as estimated (J) in the original sample due to the potential for the detection to be biased low. Samples collected under the GWMP were unaffected.

Due to the low percent recoveries in the MS and MSD samples and the potential for the 1,4-dioxane result to be biased low, the detected concentration of 1,4-dioxane was qualified as estimated (J) in multi-level monitoring well port EPA-4A.

1.2 Fall 2020 Sample Results

1.2.1 Volatile Organic Analyses

The samples analyzed for VOCs during the Fall 2020 sampling event are shown in Table 4-2. The following QA/QC parameters for VOCs were found to meet QC criteria or if not, did not result in qualification of the data in the Fall 2020 sampling event: chain-of-custody records; sample preservation; sample holding time; method blanks; surrogate spike recoveries; LCS recoveries; MS/MSD results; blind field duplicate sample precision; reported PQLs; trip blank sample results; and, document completeness. Field QA/QC sample result details, as well as excursions that resulted in qualification of the data, are summarized below.

Blind Field Duplicate Results

During the Fall 2020 sampling event, blind duplicate sample DUP-001-11102020 was collected from monitoring well OMW-102 and blind duplicate sample DUP-002-11122020 was collected from monitoring well OMW-202. The detected analytes had RPD values below the QC criteria of 50%.

MS/MSD Results

During the Fall 2020 sampling event, MS/MSD sample pairs were collected from multi-level monitoring well ports EPA-4A and EPA-5A. The percent recoveries and RPD values were within the QC criteria with the following exceptions:

- The cDCE and 1,2-dichloropropane percent recoveries in the EPA-5A MSD sample was above the QC criteria.
- The cyclohexane percent recoveries in the EPA-5A MS and MSD samples were above the QC criteria.

The percent recoveries of cDCE and 1,2-dichloropropane in the EPA-5A MS sample, the associated LCS and the associated LCS duplicate were within the QC criteria; therefore, qualification was not necessary. The percent recoveries of cyclohexane in the LCS and LCS duplicate associated with EPA-5A were within the QC criteria and cyclohexane was not detected in EPA-5A; therefore, qualification was not necessary.

Case Narrative

As discussed in the case narrative of the Fall 2020 data package, one or more continuing calibration verification (CCV) percent recoveries were above the QC criteria in five of the nine CCVs analyzed with project samples. Due to the high CCV percent recoveries, the following detected results were qualified as estimated (J):

- Acetone in multi-level monitoring well port EPA-4A at 1.1 J µg/L.
- Carbon disulfide in monitoring well OMW-214 at 0.53 J µg/L.
- Methylene chloride in multi-level monitoring well port EPA-1A at 0.94 J µg/L.

1.2.2 1,4-Dioxane Analyses

The samples analyzed for 1,4-dioxane during the Fall 2020 sampling event are shown in Table 4-2. The following QA/QC parameters for 1,4-dioxane were found to meet QC criteria or if not, did not result in qualification of the data in the Fall 2020 sampling event: case narrative; chain-of-custody records; sample preservation; sample holding time; method blanks; LCS recoveries; blind field duplicate sample precision; reported PQLs; and, document completeness. Field QA/QC sample result details, as well as excursions that resulted in qualification of the data, are summarized below.

Blind Field Duplicate Results

During the Fall 2020 sampling event, blind duplicate sample DUP-001-11102020 was collected from monitoring well OMW-102. 1,4-Dioxane had an RPD value below the QC criteria of 50%.

MS/MSD Results

During the Fall 2020 sampling event, an MS/MSD sample pair was collected from multi-level monitoring well port EPA-4A. The percent recoveries of 1,4-dioxane were below the QC criteria in the EPA-4A MS and MSD samples; the RPD for 1,4-dioxane was within the QC criteria. Due to the low percent recoveries in the MS and MSD samples and the potential for the 1,4-dioxane result to be biased low, the detected concentration of 1,4-dioxane was qualified as estimated (J) in multi-level monitoring well port EPA-4A.

Surrogate Spike Recoveries

The surrogate spike recoveries of fluoranthene-d10, benzo(a)pyrene-d12 and 1-methylnaphthalene-d10 were within the QC criteria for all project and associated QC samples with the following exceptions:

- The surrogate spike recoveries of fluoranthene-d10 were below the QC criteria in the original, MS and MSD samples collected from multi-level monitoring well port EPA-4A.

Due to the low percent recoveries of fluoranthene-d10 in the original samples collected from multi-level monitoring well port EPA-4A, the detected concentration of 1,4-dioxane in EPA-4A was qualified as estimated (J).

APPENDIX E
2020 GROUNDWATER SAMPLING LABORATORY RESULT FORMS

APPENDIX E.1
SPRING 2020 LABORATORY RESULT FORMS

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-OMW-102-06162020

Lab Sample ID: 410-4736-1

Date Collected: 06/16/20 11:40

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.0	0.80	ug/L			06/29/20 17:59	2
Styrene	ND		10	0.40	ug/L			06/29/20 17:59	2
cis-1,3-Dichloropropene	ND		2.0	0.40	ug/L			06/29/20 17:59	2
trans-1,3-Dichloropropene	ND		2.0	0.40	ug/L			06/29/20 17:59	2
1,4-Dichlorobenzene	ND		10	0.40	ug/L			06/29/20 17:59	2
1,2-Dibromoethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
1,2-Dichloroethane	ND		2.0	0.60	ug/L			06/29/20 17:59	2
4-Methyl-2-pentanone	ND		20	1.0	ug/L			06/29/20 17:59	2
Methylcyclohexane	ND		10	1.0	ug/L			06/29/20 17:59	2
Toluene	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Chlorobenzene	13		2.0	0.40	ug/L			06/29/20 17:59	2
Cyclohexane	ND		10	2.0	ug/L			06/29/20 17:59	2
1,2,4-Trichlorobenzene	ND		10	0.60	ug/L			06/29/20 17:59	2
Dibromochloromethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Tetrachloroethene	ND		2.0	0.40	ug/L			06/29/20 17:59	2
cis-1,2-Dichloroethene	ND		2.0	0.40	ug/L			06/29/20 17:59	2
trans-1,2-Dichloroethene	ND		10	0.40	ug/L			06/29/20 17:59	2
Methyl tertiary butyl ether	ND		2.0	0.40	ug/L			06/29/20 17:59	2
1,3-Dichlorobenzene	ND		10	0.40	ug/L			06/29/20 17:59	2
Carbon tetrachloride	ND		2.0	0.40	ug/L			06/29/20 17:59	2
2-Hexanone	ND		20	0.60	ug/L			06/29/20 17:59	2
Acetone	ND		40	1.4	ug/L			06/29/20 17:59	2
Chloroform	ND		2.0	0.40	ug/L			06/29/20 17:59	2
1,1,1-Trichloroethane	ND		2.0	0.60	ug/L			06/29/20 17:59	2
Bromomethane	ND		2.0	0.60	ug/L			06/29/20 17:59	2
Chloromethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Bromochloromethane	ND		10	0.40	ug/L			06/29/20 17:59	2
Chloroethane	1.1 J		2.0	0.40	ug/L			06/29/20 17:59	2
Vinyl chloride	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Methylene Chloride	ND		2.0	0.60	ug/L			06/29/20 17:59	2
Carbon disulfide	ND		10	0.40	ug/L			06/29/20 17:59	2
Bromoform	ND		8.0	2.0	ug/L			06/29/20 17:59	2
Bromodichloromethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
1,1-Dichloroethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
1,1-Dichloroethene	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Trichlorofluoromethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Dichlorodifluoromethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Freon 113	ND		20	0.40	ug/L			06/29/20 17:59	2
1,2-Dichloropropane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
2-Butanone	ND		20	0.60	ug/L			06/29/20 17:59	2
1,1,2-Trichloroethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Trichloroethene	ND		2.0	0.40	ug/L			06/29/20 17:59	2
Methyl acetate	ND		10	0.60	ug/L			06/29/20 17:59	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.40	ug/L			06/29/20 17:59	2
1,2,3-Trichlorobenzene	ND		10	0.80	ug/L			06/29/20 17:59	2
o-Xylene	ND		2.0	0.80	ug/L			06/29/20 17:59	2
1,2-Dichlorobenzene	ND		10	0.40	ug/L			06/29/20 17:59	2
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/L			06/29/20 17:59	2
Isopropylbenzene	ND		10	0.40	ug/L			06/29/20 17:59	2

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-OMW-102-06162020

Lab Sample ID: 410-4736-1

Date Collected: 06/16/20 11:40

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		10	2.0	ug/L			06/29/20 17:59	2
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					06/29/20 17:59	2
4-Bromofluorobenzene (Surr)	93		80 - 120					06/29/20 17:59	2
Dibromofluoromethane (Surr)	91		80 - 120					06/29/20 17:59	2
Toluene-d8 (Surr)	98		80 - 120					06/29/20 17:59	2

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	930		20	4.0	ug/L			06/29/20 18:22	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120					06/29/20 18:22	20
4-Bromofluorobenzene (Surr)	92		80 - 120					06/29/20 18:22	20
Dibromofluoromethane (Surr)	91		80 - 120					06/29/20 18:22	20
Toluene-d8 (Surr)	98		80 - 120					06/29/20 18:22	20

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	21		1.7	0.56	ug/L		06/21/20 12:00	06/23/20 00:39	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	49		10 - 138				06/21/20 12:00	06/23/20 00:39	5
1-Methylnaphthalene-d10 (Surr)	64		15 - 121				06/21/20 12:00	06/23/20 00:39	5
Fluoranthene-d10 (Surr)	75		34 - 125				06/21/20 12:00	06/23/20 00:39	5

Client Sample ID: MW-B-OMW-201-06162020

Lab Sample ID: 410-4736-2

Date Collected: 06/16/20 13:00

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	290		20	8.0	ug/L			06/29/20 18:45	20
Styrene	ND		100	4.0	ug/L			06/29/20 18:45	20
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			06/29/20 18:45	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			06/29/20 18:45	20
1,4-Dichlorobenzene	22 J		100	4.0	ug/L			06/29/20 18:45	20
1,2-Dibromoethane	ND		20	4.0	ug/L			06/29/20 18:45	20
1,2-Dichloroethane	ND		20	6.0	ug/L			06/29/20 18:45	20
4-Methyl-2-pentanone	ND		200	10	ug/L			06/29/20 18:45	20
Methylcyclohexane	ND		100	10	ug/L			06/29/20 18:45	20
Toluene	770		20	4.0	ug/L			06/29/20 18:45	20
Chlorobenzene	3400		20	4.0	ug/L			06/29/20 18:45	20
Cyclohexane	ND		100	20	ug/L			06/29/20 18:45	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			06/29/20 18:45	20
Dibromochloromethane	ND		20	4.0	ug/L			06/29/20 18:45	20
Tetrachloroethene	ND		20	4.0	ug/L			06/29/20 18:45	20
cis-1,2-Dichloroethene	ND		20	4.0	ug/L			06/29/20 18:45	20
trans-1,2-Dichloroethene	8.6 J		100	4.0	ug/L			06/29/20 18:45	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			06/29/20 18:45	20

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-OMW-201-06162020

Lab Sample ID: 410-4736-2

Date Collected: 06/16/20 13:00

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		100	4.0	ug/L			06/29/20 18:45	20
Carbon tetrachloride	ND		20	4.0	ug/L			06/29/20 18:45	20
2-Hexanone	ND		200	6.0	ug/L			06/29/20 18:45	20
Acetone	ND		400	14	ug/L			06/29/20 18:45	20
Chloroform	ND		20	4.0	ug/L			06/29/20 18:45	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			06/29/20 18:45	20
Bromomethane	ND		20	6.0	ug/L			06/29/20 18:45	20
Chloromethane	ND		20	4.0	ug/L			06/29/20 18:45	20
Bromochloromethane	ND		100	4.0	ug/L			06/29/20 18:45	20
Chloroethane	49		20	4.0	ug/L			06/29/20 18:45	20
Vinyl chloride	ND		20	4.0	ug/L			06/29/20 18:45	20
Methylene Chloride	ND		20	6.0	ug/L			06/29/20 18:45	20
Carbon disulfide	ND		100	4.0	ug/L			06/29/20 18:45	20
Bromoform	ND		80	20	ug/L			06/29/20 18:45	20
Bromodichloromethane	ND		20	4.0	ug/L			06/29/20 18:45	20
1,1-Dichloroethane	ND		20	4.0	ug/L			06/29/20 18:45	20
1,1-Dichloroethene	ND		20	4.0	ug/L			06/29/20 18:45	20
Trichlorofluoromethane	ND		20	4.0	ug/L			06/29/20 18:45	20
Dichlorodifluoromethane	ND		20	4.0	ug/L			06/29/20 18:45	20
Freon 113	ND		200	4.0	ug/L			06/29/20 18:45	20
1,2-Dichloropropane	ND		20	4.0	ug/L			06/29/20 18:45	20
2-Butanone	ND		200	6.0	ug/L			06/29/20 18:45	20
1,1,2-Trichloroethane	ND		20	4.0	ug/L			06/29/20 18:45	20
Trichloroethene	ND		20	4.0	ug/L			06/29/20 18:45	20
Methyl acetate	ND		100	6.0	ug/L			06/29/20 18:45	20
1,1,2,2-Tetrachloroethane	ND		20	4.0	ug/L			06/29/20 18:45	20
1,2,3-Trichlorobenzene	ND		100	8.0	ug/L			06/29/20 18:45	20
o-Xylene	220		20	8.0	ug/L			06/29/20 18:45	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			06/29/20 18:45	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			06/29/20 18:45	20
Isopropylbenzene	ND		100	4.0	ug/L			06/29/20 18:45	20
m&p-Xylene	990		100	20	ug/L			06/29/20 18:45	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/29/20 18:45	20
4-Bromofluorobenzene (Surr)	93		80 - 120		06/29/20 18:45	20
Dibromofluoromethane (Surr)	91		80 - 120		06/29/20 18:45	20
Toluene-d8 (Surr)	99		80 - 120		06/29/20 18:45	20

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	14000		200	40	ug/L			06/29/20 19:07	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		80 - 120		06/29/20 19:07	200
4-Bromofluorobenzene (Surr)	92		80 - 120		06/29/20 19:07	200
Dibromofluoromethane (Surr)	92		80 - 120		06/29/20 19:07	200
Toluene-d8 (Surr)	98		80 - 120		06/29/20 19:07	200

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-OMW-201-06162020

Lab Sample ID: 410-4736-2

Date Collected: 06/16/20 13:00

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	700		30	10	ug/L		06/21/20 12:00	06/23/20 01:10	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	62		10 - 138	06/21/20 12:00	06/23/20 01:10	100
1-Methylnaphthalene-d10 (Surr)	101		15 - 121	06/21/20 12:00	06/23/20 01:10	100
Fluoranthene-d10 (Surr)	90		34 - 125	06/21/20 12:00	06/23/20 01:10	100

Client Sample ID: MW-B-EPA-4A-06162020

Lab Sample ID: 410-4736-3

Date Collected: 06/16/20 14:00

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND	F1	1.0	0.40	ug/L			06/29/20 12:19	1
Styrene	ND	F1	5.0	0.20	ug/L			06/29/20 12:19	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/29/20 12:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/29/20 12:19	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			06/29/20 12:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/29/20 12:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/29/20 12:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/29/20 12:19	1
Methylcyclohexane	ND	F1	5.0	0.50	ug/L			06/29/20 12:19	1
Toluene	ND	F1	1.0	0.20	ug/L			06/29/20 12:19	1
Chlorobenzene	ND	F1	1.0	0.20	ug/L			06/29/20 12:19	1
Cyclohexane	ND	F1	5.0	1.0	ug/L			06/29/20 12:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/29/20 12:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/29/20 12:19	1
Tetrachloroethene	ND	F1	1.0	0.20	ug/L			06/29/20 12:19	1
cis-1,2-Dichloroethene	ND	F1	1.0	0.20	ug/L			06/29/20 12:19	1
trans-1,2-Dichloroethene	ND	F1	5.0	0.20	ug/L			06/29/20 12:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/29/20 12:19	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			06/29/20 12:19	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			06/29/20 12:19	1
2-Hexanone	ND		10	0.30	ug/L			06/29/20 12:19	1
Acetone	ND		20	0.70	ug/L			06/29/20 12:19	1
Chloroform	ND		1.0	0.20	ug/L			06/29/20 12:19	1
Benzene	ND	F1	1.0	0.20	ug/L			06/29/20 12:19	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/29/20 12:19	1
Bromomethane	ND		1.0	0.30	ug/L			06/29/20 12:19	1
Chloromethane	ND		1.0	0.20	ug/L			06/29/20 12:19	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/29/20 12:19	1
Chloroethane	ND		1.0	0.20	ug/L			06/29/20 12:19	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/29/20 12:19	1
Methylene Chloride	ND	F1	1.0	0.30	ug/L			06/29/20 12:19	1
Carbon disulfide	ND	F1	5.0	0.20	ug/L			06/29/20 12:19	1
Bromoform	ND		4.0	1.0	ug/L			06/29/20 12:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/29/20 12:19	1
1,1-Dichloroethane	ND	F1	1.0	0.20	ug/L			06/29/20 12:19	1
1,1-Dichloroethene	ND	F1	1.0	0.20	ug/L			06/29/20 12:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/29/20 12:19	1

SET 2/8/2021

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-4B-06162020

Lab Sample ID: 410-4736-4

Date Collected: 06/16/20 14:05

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluoranthene-d10 (Surr)	75		34 - 125	06/21/20 12:00	06/22/20 15:46	1

Client Sample ID: MW-B-OMW-205-06162020

Lab Sample ID: 410-4736-5

Date Collected: 06/16/20 14:52

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			06/29/20 14:13	1
Styrene	ND		5.0	0.20	ug/L			06/29/20 14:13	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/29/20 14:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/29/20 14:13	1
1,4-Dichlorobenzene	0.38	J	5.0	0.20	ug/L			06/29/20 14:13	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/29/20 14:13	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/29/20 14:13	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/29/20 14:13	1
Toluene	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Chlorobenzene	51		1.0	0.20	ug/L			06/29/20 14:13	1
Cyclohexane	ND		5.0	1.0	ug/L			06/29/20 14:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/29/20 14:13	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Tetrachloroethene	ND		1.0	0.20	ug/L			06/29/20 14:13	1
cis-1,2-Dichloroethene	3.2		1.0	0.20	ug/L			06/29/20 14:13	1
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L			06/29/20 14:13	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/29/20 14:13	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			06/29/20 14:13	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			06/29/20 14:13	1
2-Hexanone	ND		10	0.30	ug/L			06/29/20 14:13	1
Acetone	ND		20	0.70	ug/L			06/29/20 14:13	1
Chloroform	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Benzene	0.70	J	1.0	0.20	ug/L			06/29/20 14:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/29/20 14:13	1
Bromomethane	ND		1.0	0.30	ug/L			06/29/20 14:13	1
Chloromethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/29/20 14:13	1
Chloroethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Vinyl chloride	0.49	J	1.0	0.20	ug/L			06/29/20 14:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/29/20 14:13	1
Carbon disulfide	ND		5.0	0.20	ug/L			06/29/20 14:13	1
Bromoform	ND		4.0	1.0	ug/L			06/29/20 14:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Freon 113	ND		10	0.20	ug/L			06/29/20 14:13	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
2-Butanone	ND		10	0.30	ug/L			06/29/20 14:13	1

SET 2/8/2021

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-OMW-205-06162020

Lab Sample ID: 410-4736-5

Date Collected: 06/16/20 14:52

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
Trichloroethene	0.46	J	1.0	0.20	ug/L			06/29/20 14:13	1
Methyl acetate	ND		5.0	0.30	ug/L			06/29/20 14:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			06/29/20 14:13	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/29/20 14:13	1
o-Xylene	ND		1.0	0.40	ug/L			06/29/20 14:13	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/29/20 14:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/29/20 14:13	1
Isopropylbenzene	ND		5.0	0.20	ug/L			06/29/20 14:13	1
m&p-Xylene	ND		5.0	1.0	ug/L			06/29/20 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		06/29/20 14:13	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/29/20 14:13	1
Dibromofluoromethane (Surr)	92		80 - 120		06/29/20 14:13	1
Toluene-d8 (Surr)	98		80 - 120		06/29/20 14:13	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.6		0.31	0.10	ug/L		06/21/20 12:00	06/22/20 16:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	60		10 - 138	06/21/20 12:00	06/22/20 16:17	1
1-Methylnaphthalene-d10 (Surr)	76		15 - 121	06/21/20 12:00	06/22/20 16:17	1
Fluoranthene-d10 (Surr)	93		34 - 125	06/21/20 12:00	06/22/20 16:17	1

Client Sample ID: DUP-001-06162020 (blind dup of OMW-201)

Lab Sample ID: 410-4736-6

Date Collected: 06/16/20 00:00

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	250		20	8.0	ug/L			06/30/20 04:22	20
Styrene	6.8	J	100	4.0	ug/L			06/30/20 04:22	20
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			06/30/20 04:22	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			06/30/20 04:22	20
1,4-Dichlorobenzene	20	J	100	4.0	ug/L			06/30/20 04:22	20
1,2-Dibromoethane	ND		20	4.0	ug/L			06/30/20 04:22	20
1,2-Dichloroethane	ND		20	6.0	ug/L			06/30/20 04:22	20
4-Methyl-2-pentanone	ND		200	10	ug/L			06/30/20 04:22	20
Methylcyclohexane	ND		100	10	ug/L			06/30/20 04:22	20
Toluene	730		20	4.0	ug/L			06/30/20 04:22	20
Chlorobenzene	3100		20	4.0	ug/L			06/30/20 04:22	20
Cyclohexane	ND		100	20	ug/L			06/30/20 04:22	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			06/30/20 04:22	20
Dibromochloromethane	ND		20	4.0	ug/L			06/30/20 04:22	20
Tetrachloroethene	ND		20	4.0	ug/L			06/30/20 04:22	20
cis-1,2-Dichloroethene	ND		20	4.0	ug/L			06/30/20 04:22	20
trans-1,2-Dichloroethene	8.0	J	100	4.0	ug/L			06/30/20 04:22	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			06/30/20 04:22	20
1,3-Dichlorobenzene	ND		100	4.0	ug/L			06/30/20 04:22	20

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Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: DUP-001-06162020 (blind dup of OMW-201)

Lab Sample ID: 410-4736-6

Date Collected: 06/16/20 00:00

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		20	4.0	ug/L			06/30/20 04:22	20
2-Hexanone	ND		200	6.0	ug/L			06/30/20 04:22	20
Acetone	ND		400	14	ug/L			06/30/20 04:22	20
Chloroform	ND		20	4.0	ug/L			06/30/20 04:22	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			06/30/20 04:22	20
Bromomethane	ND		20	6.0	ug/L			06/30/20 04:22	20
Chloromethane	ND		20	4.0	ug/L			06/30/20 04:22	20
Bromochloromethane	ND		100	4.0	ug/L			06/30/20 04:22	20
Chloroethane	48		20	4.0	ug/L			06/30/20 04:22	20
Vinyl chloride	ND		20	4.0	ug/L			06/30/20 04:22	20
Methylene Chloride	ND		20	6.0	ug/L			06/30/20 04:22	20
Carbon disulfide	ND		100	4.0	ug/L			06/30/20 04:22	20
Bromoform	ND		80	20	ug/L			06/30/20 04:22	20
Bromodichloromethane	ND		20	4.0	ug/L			06/30/20 04:22	20
1,1-Dichloroethane	ND		20	4.0	ug/L			06/30/20 04:22	20
1,1-Dichloroethene	ND		20	4.0	ug/L			06/30/20 04:22	20
Trichlorofluoromethane	ND		20	4.0	ug/L			06/30/20 04:22	20
Dichlorodifluoromethane	ND		20	4.0	ug/L			06/30/20 04:22	20
Freon 113	ND		200	4.0	ug/L			06/30/20 04:22	20
1,2-Dichloropropane	ND		20	4.0	ug/L			06/30/20 04:22	20
2-Butanone	ND		200	6.0	ug/L			06/30/20 04:22	20
1,1,2-Trichloroethane	ND		20	4.0	ug/L			06/30/20 04:22	20
Trichloroethene	ND		20	4.0	ug/L			06/30/20 04:22	20
Methyl acetate	ND		100	6.0	ug/L			06/30/20 04:22	20
1,1,2,2-Tetrachloroethane	ND		20	4.0	ug/L			06/30/20 04:22	20
1,2,3-Trichlorobenzene	ND		100	8.0	ug/L			06/30/20 04:22	20
o-Xylene	190		20	8.0	ug/L			06/30/20 04:22	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			06/30/20 04:22	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			06/30/20 04:22	20
Isopropylbenzene	ND		100	4.0	ug/L			06/30/20 04:22	20
m&p-Xylene	890		100	20	ug/L			06/30/20 04:22	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/30/20 04:22	20
4-Bromofluorobenzene (Surr)	100		80 - 120		06/30/20 04:22	20
Dibromofluoromethane (Surr)	109		80 - 120		06/30/20 04:22	20
Toluene-d8 (Surr)	98		80 - 120		06/30/20 04:22	20

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	12000		200	40	ug/L			06/30/20 04:44	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		06/30/20 04:44	200
4-Bromofluorobenzene (Surr)	98		80 - 120		06/30/20 04:44	200
Dibromofluoromethane (Surr)	109		80 - 120		06/30/20 04:44	200
Toluene-d8 (Surr)	99		80 - 120		06/30/20 04:44	200

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Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: DUP-001-06162020 (blind dup of OMW-201)

Lab Sample ID: 410-4736-6

Date Collected: 06/16/20 00:00

Matrix: Groundwater

Date Received: 06/17/20 10:32

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	650		31	10	ug/L		06/21/20 12:00	06/23/20 01:40	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	61		10 - 138	06/21/20 12:00	06/23/20 01:40	100
1-Methylnaphthalene-d10 (Surr)	92		15 - 121	06/21/20 12:00	06/23/20 01:40	100
Fluoranthene-d10 (Surr)	88		34 - 125	06/21/20 12:00	06/23/20 01:40	100

Client Sample ID: GW-06162020-TB

Lab Sample ID: 410-4736-7

Date Collected: 06/16/20 00:00

Matrix: Water

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			06/29/20 11:57	1
Styrene	ND		5.0	0.20	ug/L			06/29/20 11:57	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			06/29/20 11:57	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			06/29/20 11:57	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			06/29/20 11:57	1
Methylcyclohexane	ND		5.0	0.50	ug/L			06/29/20 11:57	1
Toluene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Chlorobenzene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Cyclohexane	ND		5.0	1.0	ug/L			06/29/20 11:57	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			06/29/20 11:57	1
Dibromochloromethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Tetrachloroethene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L			06/29/20 11:57	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			06/29/20 11:57	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			06/29/20 11:57	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			06/29/20 11:57	1
2-Hexanone	ND		10	0.30	ug/L			06/29/20 11:57	1
Acetone	ND		20	0.70	ug/L			06/29/20 11:57	1
Chloroform	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Benzene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			06/29/20 11:57	1
Bromomethane	ND		1.0	0.30	ug/L			06/29/20 11:57	1
Chloromethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Bromochloromethane	ND		5.0	0.20	ug/L			06/29/20 11:57	1
Chloroethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Vinyl chloride	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Methylene Chloride	ND		1.0	0.30	ug/L			06/29/20 11:57	1
Carbon disulfide	ND		5.0	0.20	ug/L			06/29/20 11:57	1
Bromoform	ND		4.0	1.0	ug/L			06/29/20 11:57	1
Bromodichloromethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1

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Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: GW-06162020-TB

Lab Sample ID: 410-4736-7

Date Collected: 06/16/20 00:00

Matrix: Water

Date Received: 06/17/20 10:32

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Freon 113	ND		10	0.20	ug/L			06/29/20 11:57	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
2-Butanone	ND		10	0.30	ug/L			06/29/20 11:57	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Trichloroethene	ND		1.0	0.20	ug/L			06/29/20 11:57	1
Methyl acetate	ND		5.0	0.30	ug/L			06/29/20 11:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			06/29/20 11:57	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			06/29/20 11:57	1
o-Xylene	ND		1.0	0.40	ug/L			06/29/20 11:57	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			06/29/20 11:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			06/29/20 11:57	1
Isopropylbenzene	ND		5.0	0.20	ug/L			06/29/20 11:57	1
m&p-Xylene	ND		5.0	1.0	ug/L			06/29/20 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 120		06/29/20 11:57	1
4-Bromofluorobenzene (Surr)	92		80 - 120		06/29/20 11:57	1
Dibromofluoromethane (Surr)	92		80 - 120		06/29/20 11:57	1
Toluene-d8 (Surr)	98		80 - 120		06/29/20 11:57	1

Client Sample ID: MW-B-OMW-219-06172020

Lab Sample ID: 410-4880-1

Date Collected: 06/17/20 10:50

Matrix: Groundwater

Date Received: 06/18/20 10:27

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.5		1.0	0.40	ug/L			07/01/20 06:15	1
Styrene	ND		5.0	0.20	ug/L			07/01/20 06:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/01/20 06:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/01/20 06:15	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 06:15	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/01/20 06:15	1
4-Methyl-2-pentanone	3.2	J	10	0.50	ug/L			07/01/20 06:15	1
Methylcyclohexane	ND		5.0	0.50	ug/L			07/01/20 06:15	1
Toluene	160		1.0	0.20	ug/L			07/01/20 06:15	1
Chlorobenzene	23		1.0	0.20	ug/L			07/01/20 06:15	1
Cyclohexane	ND		5.0	1.0	ug/L			07/01/20 06:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			07/01/20 06:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/01/20 06:15	1
cis-1,2-Dichloroethene	2.1		1.0	0.20	ug/L			07/01/20 06:15	1
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L			07/01/20 06:15	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			07/01/20 06:15	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 06:15	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			07/01/20 06:15	1
2-Hexanone	ND		10	0.30	ug/L			07/01/20 06:15	1
Acetone	40		20	0.70	ug/L			07/01/20 06:15	1
Chloroform	ND		1.0	0.20	ug/L			07/01/20 06:15	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-OMW-219-06172020

Lab Sample ID: 410-4880-1

Date Collected: 06/17/20 10:50

Matrix: Groundwater

Date Received: 06/18/20 10:27

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/01/20 06:15	1
Bromomethane	ND		1.0	0.30	ug/L			07/01/20 06:15	1
Chloromethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/01/20 06:15	1
Chloroethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
Vinyl chloride	0.44	J	1.0	0.20	ug/L			07/01/20 06:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/01/20 06:15	1
Carbon disulfide	ND		5.0	0.20	ug/L			07/01/20 06:15	1
Bromoform	ND		4.0	1.0	ug/L			07/01/20 06:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
1,1-Dichloroethane	1.1		1.0	0.20	ug/L			07/01/20 06:15	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/01/20 06:15	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
Freon 113	ND		10	0.20	ug/L			07/01/20 06:15	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
2-Butanone	2.6	J	10	0.30	ug/L			07/01/20 06:15	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
Trichloroethene	1.2		1.0	0.20	ug/L			07/01/20 06:15	1
Methyl acetate	ND		5.0	0.30	ug/L			07/01/20 06:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			07/01/20 06:15	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			07/01/20 06:15	1
o-Xylene	1.7		1.0	0.40	ug/L			07/01/20 06:15	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 06:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			07/01/20 06:15	1
Isopropylbenzene	ND		5.0	0.20	ug/L			07/01/20 06:15	1
m&p-Xylene	4.1	J	5.0	1.0	ug/L			07/01/20 06:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		07/01/20 06:15	1
4-Bromofluorobenzene (Surr)	101		80 - 120		07/01/20 06:15	1
Dibromofluoromethane (Surr)	99		80 - 120		07/01/20 06:15	1
Toluene-d8 (Surr)	100		80 - 120		07/01/20 06:15	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	450		10	2.0	ug/L			07/01/20 06:37	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		07/01/20 06:37	10
4-Bromofluorobenzene (Surr)	99		80 - 120		07/01/20 06:37	10
Dibromofluoromethane (Surr)	99		80 - 120		07/01/20 06:37	10
Toluene-d8 (Surr)	100		80 - 120		07/01/20 06:37	10

Client Sample ID: MW-B-OMW-215-06172020

Lab Sample ID: 410-4880-2

Date Collected: 06/17/20 10:51

Matrix: Groundwater

Date Received: 06/18/20 10:27

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			07/01/20 04:03	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-OMW-215-06172020

Lab Sample ID: 410-4880-2

Date Collected: 06/17/20 10:51

Matrix: Groundwater

Date Received: 06/18/20 10:27

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		5.0	0.20	ug/L			07/01/20 04:03	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/01/20 04:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/01/20 04:03	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 04:03	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/01/20 04:03	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			07/01/20 04:03	1
Methylcyclohexane	ND		5.0	0.50	ug/L			07/01/20 04:03	1
Toluene	3.4		1.0	0.20	ug/L			07/01/20 04:03	1
Chlorobenzene	1.9		1.0	0.20	ug/L			07/01/20 04:03	1
Cyclohexane	ND		5.0	1.0	ug/L			07/01/20 04:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			07/01/20 04:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/01/20 04:03	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/01/20 04:03	1
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L			07/01/20 04:03	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			07/01/20 04:03	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 04:03	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			07/01/20 04:03	1
2-Hexanone	ND		10	0.30	ug/L			07/01/20 04:03	1
Acetone	ND		20	0.70	ug/L			07/01/20 04:03	1
Chloroform	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Benzene	74		1.0	0.20	ug/L			07/01/20 04:03	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/01/20 04:03	1
Bromomethane	ND		1.0	0.30	ug/L			07/01/20 04:03	1
Chloromethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/01/20 04:03	1
Chloroethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Vinyl chloride	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/01/20 04:03	1
Carbon disulfide	ND		5.0	0.20	ug/L			07/01/20 04:03	1
Bromoform	ND		4.0	1.0	ug/L			07/01/20 04:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
1,1-Dichloroethane	0.21 J		1.0	0.20	ug/L			07/01/20 04:03	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Freon 113	ND		10	0.20	ug/L			07/01/20 04:03	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
2-Butanone	ND		10	0.30	ug/L			07/01/20 04:03	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Trichloroethene	ND		1.0	0.20	ug/L			07/01/20 04:03	1
Methyl acetate	ND		5.0	0.30	ug/L			07/01/20 04:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			07/01/20 04:03	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			07/01/20 04:03	1
o-Xylene	ND		1.0	0.40	ug/L			07/01/20 04:03	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 04:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			07/01/20 04:03	1
Isopropylbenzene	ND		5.0	0.20	ug/L			07/01/20 04:03	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-OMW-215-06172020

Lab Sample ID: 410-4880-2

Date Collected: 06/17/20 10:51

Matrix: Groundwater

Date Received: 06/18/20 10:27

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		5.0	1.0	ug/L			07/01/20 04:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					07/01/20 04:03	1
4-Bromofluorobenzene (Surr)	100		80 - 120					07/01/20 04:03	1
Dibromofluoromethane (Surr)	100		80 - 120					07/01/20 04:03	1
Toluene-d8 (Surr)	99		80 - 120					07/01/20 04:03	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.7		0.30	0.10	ug/L		06/21/20 12:00	06/22/20 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	87		10 - 138				06/21/20 12:00	06/22/20 18:50	1
1-Methylnaphthalene-d10 (Surr)	79		15 - 121				06/21/20 12:00	06/22/20 18:50	1
Fluoranthene-d10 (Surr)	107		34 - 125				06/21/20 12:00	06/22/20 18:50	1

Client Sample ID: GW-06172020-EB

Lab Sample ID: 410-4880-3

Date Collected: 06/17/20 12:50

Matrix: Water

Date Received: 06/18/20 10:27

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			07/01/20 02:57	1
Styrene	ND		5.0	0.20	ug/L			07/01/20 02:57	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/01/20 02:57	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/01/20 02:57	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 02:57	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			07/01/20 02:57	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/01/20 02:57	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			07/01/20 02:57	1
Methylcyclohexane	ND		5.0	0.50	ug/L			07/01/20 02:57	1
Toluene	ND		1.0	0.20	ug/L			07/01/20 02:57	1
Chlorobenzene	ND		1.0	0.20	ug/L			07/01/20 02:57	1
Cyclohexane	ND		5.0	1.0	ug/L			07/01/20 02:57	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			07/01/20 02:57	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/01/20 02:57	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/01/20 02:57	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/01/20 02:57	1
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L			07/01/20 02:57	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			07/01/20 02:57	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 02:57	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			07/01/20 02:57	1
2-Hexanone	ND		10	0.30	ug/L			07/01/20 02:57	1
Acetone	ND		20	0.70	ug/L			07/01/20 02:57	1
Chloroform	ND		1.0	0.20	ug/L			07/01/20 02:57	1
Benzene	ND		1.0	0.20	ug/L			07/01/20 02:57	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/01/20 02:57	1
Bromomethane	ND		1.0	0.30	ug/L			07/01/20 02:57	1
Chloromethane	ND		1.0	0.20	ug/L			07/01/20 02:57	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/01/20 02:57	1

SET 2/8/2021

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: GW-06172020-TB

Lab Sample ID: 410-4880-9

Date Collected: 06/17/20 00:00

Matrix: Water

Date Received: 06/18/20 10:27

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			07/01/20 03:19	1
Styrene	ND		5.0	0.20	ug/L			07/01/20 03:19	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 03:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/01/20 03:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			07/01/20 03:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			07/01/20 03:19	1
Toluene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Chlorobenzene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Cyclohexane	ND		5.0	1.0	ug/L			07/01/20 03:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			07/01/20 03:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L			07/01/20 03:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			07/01/20 03:19	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 03:19	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			07/01/20 03:19	1
2-Hexanone	ND		10	0.30	ug/L			07/01/20 03:19	1
Acetone	ND		20	0.70	ug/L			07/01/20 03:19	1
Chloroform	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Benzene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/01/20 03:19	1
Bromomethane	ND		1.0	0.30	ug/L			07/01/20 03:19	1
Chloromethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/01/20 03:19	1
Chloroethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Vinyl chloride	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/01/20 03:19	1
Carbon disulfide	ND		5.0	0.20	ug/L			07/01/20 03:19	1
Bromoform	ND		4.0	1.0	ug/L			07/01/20 03:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Freon 113	ND		10	0.20	ug/L			07/01/20 03:19	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
2-Butanone	ND		10	0.30	ug/L			07/01/20 03:19	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Trichloroethene	ND		1.0	0.20	ug/L			07/01/20 03:19	1
Methyl acetate	ND		5.0	0.30	ug/L			07/01/20 03:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			07/01/20 03:19	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			07/01/20 03:19	1
o-Xylene	ND		1.0	0.40	ug/L			07/01/20 03:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			07/01/20 03:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			07/01/20 03:19	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: GW-06172020-TB

Lab Sample ID: 410-4880-9

Date Collected: 06/17/20 00:00

Matrix: Water

Date Received: 06/18/20 10:27

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.20	ug/L			07/01/20 03:19	1
m&p-Xylene	ND		5.0	1.0	ug/L			07/01/20 03:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		07/01/20 03:19	1
4-Bromofluorobenzene (Surr)	98		80 - 120		07/01/20 03:19	1
Dibromofluoromethane (Surr)	101		80 - 120		07/01/20 03:19	1
Toluene-d8 (Surr)	99		80 - 120		07/01/20 03:19	1

Client Sample ID: MW-B-VSMW-01BS-06182020

Lab Sample ID: 410-5050-1

Date Collected: 06/18/20 10:55

Matrix: Groundwater

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/02/20 09:27	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.37	ug/L			07/02/20 09:27	1
1,1,2-Trichloroethane	ND		1.0	0.43	ug/L			07/02/20 09:27	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/02/20 09:27	1
1,1-Dichloroethene	ND		1.0	0.26	ug/L			07/02/20 09:27	1
1,2,3-Trichlorobenzene	ND		1.0	0.36	ug/L			07/02/20 09:27	1
1,2,4-Trichlorobenzene	ND		1.0	0.37	ug/L			07/02/20 09:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.38	ug/L			07/02/20 09:27	1
1,2-Dibromoethane	ND		1.0	0.50	ug/L			07/02/20 09:27	1
1,2-Dichlorobenzene	ND		1.0	0.43	ug/L			07/02/20 09:27	1
1,2-Dichloroethane	ND		1.0	0.43	ug/L			07/02/20 09:27	1
1,2-Dichloropropane	ND		1.0	0.35	ug/L			07/02/20 09:27	1
1,3-Dichlorobenzene	ND		1.0	0.34	ug/L			07/02/20 09:27	1
1,4-Dichlorobenzene	ND		1.0	0.33	ug/L			07/02/20 09:27	1
2-Butanone	ND		5.0	1.9	ug/L			07/02/20 09:27	1
2-Hexanone	ND		5.0	1.1	ug/L			07/02/20 09:27	1
4-Methyl-2-pentanone	ND		5.0	1.3	ug/L			07/02/20 09:27	1
Acetone	ND		5.0	4.4	ug/L			07/02/20 09:27	1
Benzene	0.27	J	1.0	0.20	ug/L			07/02/20 09:27	1
Bromochloromethane	ND		1.0	0.41	ug/L			07/02/20 09:27	1
Bromodichloromethane	ND		1.0	0.34	ug/L			07/02/20 09:27	1
Bromoform	ND		1.0	0.54	ug/L			07/02/20 09:27	1
Bromomethane	ND		1.0	0.55	ug/L			07/02/20 09:27	1
Carbon disulfide	ND		1.0	0.82	ug/L			07/02/20 09:27	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/02/20 09:27	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/02/20 09:27	1
Chloroethane	ND		1.0	0.32	ug/L			07/02/20 09:27	1
Chloroform	ND		1.0	0.33	ug/L			07/02/20 09:27	1
Chloromethane	ND		1.0	0.40	ug/L			07/02/20 09:27	1
cis-1,2-Dichloroethene	0.40	J	1.0	0.22	ug/L			07/02/20 09:27	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			07/02/20 09:27	1
Cyclohexane	ND		1.0	0.32	ug/L			07/02/20 09:27	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/02/20 09:27	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			07/02/20 09:27	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/02/20 09:27	1

SET 2/8/2021

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-VSMW-01BS-06182020

Lab Sample ID: 410-5050-1

Date Collected: 06/18/20 10:55

Matrix: Groundwater

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		1.0	0.31	ug/L			07/02/20 09:27	1
Isopropylbenzene	ND		1.0	0.34	ug/L			07/02/20 09:27	1
m&p-Xylene	ND		1.0	0.30	ug/L			07/02/20 09:27	1
Methyl acetate	ND		5.0	0.79	ug/L			07/02/20 09:27	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/02/20 09:27	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/02/20 09:27	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/02/20 09:27	1
o-Xylene	ND		1.0	0.36	ug/L			07/02/20 09:27	1
Styrene	0.58	J	1.0	0.42	ug/L			07/02/20 09:27	1
Tetrachloroethene	ND		1.0	0.25	ug/L			07/02/20 09:27	1
Toluene	ND		1.0	0.38	ug/L			07/02/20 09:27	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/02/20 09:27	1
trans-1,3-Dichloropropene	ND		1.0	0.49	ug/L			07/02/20 09:27	1
Trichloroethene	ND		1.0	0.31	ug/L			07/02/20 09:27	1
Trichlorofluoromethane	ND		1.0	0.32	ug/L			07/02/20 09:27	1
Vinyl chloride	ND		1.0	0.17	ug/L			07/02/20 09:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		76 - 120		07/02/20 09:27	1
1,2-Dichloroethane-d4 (Surr)	95		75 - 123		07/02/20 09:27	1
Dibromofluoromethane (Surr)	96		77 - 124		07/02/20 09:27	1
Toluene-d8 (Surr)	100		80 - 120		07/02/20 09:27	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.10	ug/L		06/22/20 08:30	06/23/20 07:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	61		10 - 138	06/22/20 08:30	06/23/20 07:15	1
1-Methylnaphthalene-d10 (Surr)	66		15 - 121	06/22/20 08:30	06/23/20 07:15	1
Fluoranthene-d10 (Surr)	94		34 - 125	06/22/20 08:30	06/23/20 07:15	1

Client Sample ID: MW-B-EPA-2A-06182020

Lab Sample ID: 410-5050-2

Date Collected: 06/18/20 15:05

Matrix: Groundwater

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/01/20 23:26	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.37	ug/L			07/01/20 23:26	1
1,1,2-Trichloroethane	ND		1.0	0.43	ug/L			07/01/20 23:26	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/01/20 23:26	1
1,1-Dichloroethene	ND		1.0	0.26	ug/L			07/01/20 23:26	1
1,2,3-Trichlorobenzene	ND		1.0	0.36	ug/L			07/01/20 23:26	1
1,2,4-Trichlorobenzene	ND		1.0	0.37	ug/L			07/01/20 23:26	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.38	ug/L			07/01/20 23:26	1
1,2-Dibromoethane	ND		1.0	0.50	ug/L			07/01/20 23:26	1
1,2-Dichlorobenzene	ND		1.0	0.43	ug/L			07/01/20 23:26	1
1,2-Dichloroethane	ND		1.0	0.43	ug/L			07/01/20 23:26	1
1,2-Dichloropropane	ND		1.0	0.35	ug/L			07/01/20 23:26	1
1,3-Dichlorobenzene	ND		1.0	0.34	ug/L			07/01/20 23:26	1

SET 2/8/2021

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-2A-06182020

Lab Sample ID: 410-5050-2

Date Collected: 06/18/20 15:05

Matrix: Groundwater

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.33	ug/L			07/01/20 23:26	1
2-Butanone	ND		5.0	1.9	ug/L			07/01/20 23:26	1
2-Hexanone	ND		5.0	1.1	ug/L			07/01/20 23:26	1
4-Methyl-2-pentanone	ND		5.0	1.3	ug/L			07/01/20 23:26	1
Acetone	ND		5.0	4.4	ug/L			07/01/20 23:26	1
Benzene	0.39	J	1.0	0.20	ug/L			07/01/20 23:26	1
Bromochloromethane	ND		1.0	0.41	ug/L			07/01/20 23:26	1
Bromodichloromethane	ND		1.0	0.34	ug/L			07/01/20 23:26	1
Bromoform	ND		1.0	0.54	ug/L			07/01/20 23:26	1
Bromomethane	ND		1.0	0.55	ug/L			07/01/20 23:26	1
Carbon disulfide	ND		1.0	0.82	ug/L			07/01/20 23:26	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/01/20 23:26	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/01/20 23:26	1
Chloroethane	ND		1.0	0.32	ug/L			07/01/20 23:26	1
Chloroform	ND		1.0	0.33	ug/L			07/01/20 23:26	1
Chloromethane	ND		1.0	0.40	ug/L			07/01/20 23:26	1
cis-1,2-Dichloroethene	4.1		1.0	0.22	ug/L			07/01/20 23:26	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			07/01/20 23:26	1
Cyclohexane	ND		1.0	0.32	ug/L			07/01/20 23:26	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/01/20 23:26	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			07/01/20 23:26	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/01/20 23:26	1
Freon 113	ND		1.0	0.31	ug/L			07/01/20 23:26	1
Isopropylbenzene	ND		1.0	0.34	ug/L			07/01/20 23:26	1
m&p-Xylene	ND		1.0	0.30	ug/L			07/01/20 23:26	1
Methyl acetate	ND		5.0	0.79	ug/L			07/01/20 23:26	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/01/20 23:26	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/01/20 23:26	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/01/20 23:26	1
o-Xylene	ND		1.0	0.36	ug/L			07/01/20 23:26	1
Styrene	ND		1.0	0.42	ug/L			07/01/20 23:26	1
Tetrachloroethene	ND		1.0	0.25	ug/L			07/01/20 23:26	1
Toluene	ND		1.0	0.38	ug/L			07/01/20 23:26	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/01/20 23:26	1
trans-1,3-Dichloropropene	ND		1.0	0.49	ug/L			07/01/20 23:26	1
Trichloroethene	3.0		1.0	0.31	ug/L			07/01/20 23:26	1
Trichlorofluoromethane	ND		1.0	0.32	ug/L			07/01/20 23:26	1
Vinyl chloride	ND		1.0	0.17	ug/L			07/01/20 23:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		76 - 120		07/01/20 23:26	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 123		07/01/20 23:26	1
Dibromofluoromethane (Surr)	97		77 - 124		07/01/20 23:26	1
Toluene-d8 (Surr)	101		80 - 120		07/01/20 23:26	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-2B-06182020

Lab Sample ID: 410-5050-3

Date Collected: 06/18/20 15:10

Matrix: Groundwater

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/02/20 09:48	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.37	ug/L			07/02/20 09:48	1
1,1,2-Trichloroethane	ND		1.0	0.43	ug/L			07/02/20 09:48	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/02/20 09:48	1
1,1-Dichloroethene	ND		1.0	0.26	ug/L			07/02/20 09:48	1
1,2,3-Trichlorobenzene	ND		1.0	0.36	ug/L			07/02/20 09:48	1
1,2,4-Trichlorobenzene	ND		1.0	0.37	ug/L			07/02/20 09:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.38	ug/L			07/02/20 09:48	1
1,2-Dibromoethane	ND		1.0	0.50	ug/L			07/02/20 09:48	1
1,2-Dichlorobenzene	ND		1.0	0.43	ug/L			07/02/20 09:48	1
1,2-Dichloroethane	0.59	J	1.0	0.43	ug/L			07/02/20 09:48	1
1,2-Dichloropropane	ND		1.0	0.35	ug/L			07/02/20 09:48	1
1,3-Dichlorobenzene	ND		1.0	0.34	ug/L			07/02/20 09:48	1
1,4-Dichlorobenzene	ND		1.0	0.33	ug/L			07/02/20 09:48	1
2-Butanone	ND		5.0	1.9	ug/L			07/02/20 09:48	1
2-Hexanone	ND		5.0	1.1	ug/L			07/02/20 09:48	1
4-Methyl-2-pentanone	ND		5.0	1.3	ug/L			07/02/20 09:48	1
Acetone	ND		5.0	4.4	ug/L			07/02/20 09:48	1
Benzene	1.2		1.0	0.20	ug/L			07/02/20 09:48	1
Bromochloromethane	ND		1.0	0.41	ug/L			07/02/20 09:48	1
Bromodichloromethane	ND		1.0	0.34	ug/L			07/02/20 09:48	1
Bromoform	ND		1.0	0.54	ug/L			07/02/20 09:48	1
Bromomethane	ND		1.0	0.55	ug/L			07/02/20 09:48	1
Carbon disulfide	ND		1.0	0.82	ug/L			07/02/20 09:48	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/02/20 09:48	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/02/20 09:48	1
Chloroethane	ND		1.0	0.32	ug/L			07/02/20 09:48	1
Chloroform	ND		1.0	0.33	ug/L			07/02/20 09:48	1
Chloromethane	ND		1.0	0.40	ug/L			07/02/20 09:48	1
cis-1,2-Dichloroethene	3.0		1.0	0.22	ug/L			07/02/20 09:48	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			07/02/20 09:48	1
Cyclohexane	ND		1.0	0.32	ug/L			07/02/20 09:48	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/02/20 09:48	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			07/02/20 09:48	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/02/20 09:48	1
Freon 113	ND		1.0	0.31	ug/L			07/02/20 09:48	1
Isopropylbenzene	ND		1.0	0.34	ug/L			07/02/20 09:48	1
m&p-Xylene	ND		1.0	0.30	ug/L			07/02/20 09:48	1
Methyl acetate	ND		5.0	0.79	ug/L			07/02/20 09:48	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/02/20 09:48	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/02/20 09:48	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/02/20 09:48	1
o-Xylene	ND		1.0	0.36	ug/L			07/02/20 09:48	1
Styrene	ND		1.0	0.42	ug/L			07/02/20 09:48	1
Tetrachloroethene	ND		1.0	0.25	ug/L			07/02/20 09:48	1
Toluene	ND		1.0	0.38	ug/L			07/02/20 09:48	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/02/20 09:48	1
trans-1,3-Dichloropropene	ND		1.0	0.49	ug/L			07/02/20 09:48	1
Trichloroethene	35		1.0	0.31	ug/L			07/02/20 09:48	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-2B-06182020

Lab Sample ID: 410-5050-3

Date Collected: 06/18/20 15:10

Matrix: Groundwater

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.32	ug/L			07/02/20 09:48	1
Vinyl chloride	ND		1.0	0.17	ug/L			07/02/20 09:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	94		76 - 120		07/02/20 09:48	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 123		07/02/20 09:48	1
Dibromofluoromethane (Surr)	97		77 - 124		07/02/20 09:48	1
Toluene-d8 (Surr)	98		80 - 120		07/02/20 09:48	1

Client Sample ID: MW-B-EPA-2C-06182020

Lab Sample ID: 410-5050-4

Date Collected: 06/18/20 15:15

Matrix: Groundwater

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/01/20 23:47	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.37	ug/L			07/01/20 23:47	1
1,1,2-Trichloroethane	ND		1.0	0.43	ug/L			07/01/20 23:47	1
1,1-Dichloroethane	1.3		1.0	0.26	ug/L			07/01/20 23:47	1
1,1-Dichloroethene	0.82 J		1.0	0.26	ug/L			07/01/20 23:47	1
1,2,3-Trichlorobenzene	ND		1.0	0.36	ug/L			07/01/20 23:47	1
1,2,4-Trichlorobenzene	ND		1.0	0.37	ug/L			07/01/20 23:47	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.38	ug/L			07/01/20 23:47	1
1,2-Dibromoethane	ND		1.0	0.50	ug/L			07/01/20 23:47	1
1,2-Dichlorobenzene	ND		1.0	0.43	ug/L			07/01/20 23:47	1
1,2-Dichloroethane	3.0		1.0	0.43	ug/L			07/01/20 23:47	1
1,2-Dichloropropane	ND		1.0	0.35	ug/L			07/01/20 23:47	1
1,3-Dichlorobenzene	ND		1.0	0.34	ug/L			07/01/20 23:47	1
1,4-Dichlorobenzene	ND		1.0	0.33	ug/L			07/01/20 23:47	1
2-Butanone	ND		5.0	1.9	ug/L			07/01/20 23:47	1
2-Hexanone	ND		5.0	1.1	ug/L			07/01/20 23:47	1
4-Methyl-2-pentanone	ND		5.0	1.3	ug/L			07/01/20 23:47	1
Acetone	ND		5.0	4.4	ug/L			07/01/20 23:47	1
Benzene	14		1.0	0.20	ug/L			07/01/20 23:47	1
Bromochloromethane	ND		1.0	0.41	ug/L			07/01/20 23:47	1
Bromodichloromethane	ND		1.0	0.34	ug/L			07/01/20 23:47	1
Bromoform	ND		1.0	0.54	ug/L			07/01/20 23:47	1
Bromomethane	ND		1.0	0.55	ug/L			07/01/20 23:47	1
Carbon disulfide	ND		1.0	0.82	ug/L			07/01/20 23:47	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/01/20 23:47	1
Chlorobenzene	1.3		1.0	0.38	ug/L			07/01/20 23:47	1
Chloroethane	ND		1.0	0.32	ug/L			07/01/20 23:47	1
Chloroform	ND		1.0	0.33	ug/L			07/01/20 23:47	1
Chloromethane	ND		1.0	0.40	ug/L			07/01/20 23:47	1
cis-1,2-Dichloroethene	40		1.0	0.22	ug/L			07/01/20 23:47	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			07/01/20 23:47	1
Cyclohexane	ND		1.0	0.32	ug/L			07/01/20 23:47	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/01/20 23:47	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			07/01/20 23:47	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/01/20 23:47	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-2C-06182020

Lab Sample ID: 410-5050-4

Date Collected: 06/18/20 15:15

Matrix: Groundwater

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		1.0	0.31	ug/L			07/01/20 23:47	1
Isopropylbenzene	ND		1.0	0.34	ug/L			07/01/20 23:47	1
m&p-Xylene	ND		1.0	0.30	ug/L			07/01/20 23:47	1
Methyl acetate	ND		5.0	0.79	ug/L			07/01/20 23:47	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/01/20 23:47	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/01/20 23:47	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/01/20 23:47	1
o-Xylene	ND		1.0	0.36	ug/L			07/01/20 23:47	1
Styrene	ND		1.0	0.42	ug/L			07/01/20 23:47	1
Tetrachloroethene	0.34	J	1.0	0.25	ug/L			07/01/20 23:47	1
Toluene	ND		1.0	0.38	ug/L			07/01/20 23:47	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/01/20 23:47	1
trans-1,3-Dichloropropene	ND		1.0	0.49	ug/L			07/01/20 23:47	1
Trichloroethene	130		1.0	0.31	ug/L			07/01/20 23:47	1
Trichlorofluoromethane	ND		1.0	0.32	ug/L			07/01/20 23:47	1
Vinyl chloride	0.28	J	1.0	0.17	ug/L			07/01/20 23:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	91		76 - 120		07/01/20 23:47	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 123		07/01/20 23:47	1
Dibromofluoromethane (Surr)	98		77 - 124		07/01/20 23:47	1
Toluene-d8 (Surr)	98		80 - 120		07/01/20 23:47	1

Client Sample ID: GW-06182020-TB

Lab Sample ID: 410-5050-5

Date Collected: 06/18/20 00:00

Matrix: Water

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/01/20 20:41	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.37	ug/L			07/01/20 20:41	1
1,1,2-Trichloroethane	ND		1.0	0.43	ug/L			07/01/20 20:41	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/01/20 20:41	1
1,1-Dichloroethene	ND		1.0	0.26	ug/L			07/01/20 20:41	1
1,2,3-Trichlorobenzene	ND		1.0	0.36	ug/L			07/01/20 20:41	1
1,2,4-Trichlorobenzene	ND		1.0	0.37	ug/L			07/01/20 20:41	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.38	ug/L			07/01/20 20:41	1
1,2-Dibromoethane	ND		1.0	0.50	ug/L			07/01/20 20:41	1
1,2-Dichlorobenzene	ND		1.0	0.43	ug/L			07/01/20 20:41	1
1,2-Dichloroethane	ND		1.0	0.43	ug/L			07/01/20 20:41	1
1,2-Dichloropropane	ND		1.0	0.35	ug/L			07/01/20 20:41	1
1,3-Dichlorobenzene	ND		1.0	0.34	ug/L			07/01/20 20:41	1
1,4-Dichlorobenzene	ND		1.0	0.33	ug/L			07/01/20 20:41	1
2-Butanone	ND		5.0	1.9	ug/L			07/01/20 20:41	1
2-Hexanone	ND		5.0	1.1	ug/L			07/01/20 20:41	1
4-Methyl-2-pentanone	ND		5.0	1.3	ug/L			07/01/20 20:41	1
Acetone	ND		5.0	4.4	ug/L			07/01/20 20:41	1
Benzene	ND		1.0	0.20	ug/L			07/01/20 20:41	1
Bromochloromethane	ND		1.0	0.41	ug/L			07/01/20 20:41	1
Bromodichloromethane	ND		1.0	0.34	ug/L			07/01/20 20:41	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: GW-06182020-TB

Lab Sample ID: 410-5050-5

Date Collected: 06/18/20 00:00

Matrix: Water

Date Received: 06/19/20 10:28

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0	0.54	ug/L			07/01/20 20:41	1
Bromomethane	ND		1.0	0.55	ug/L			07/01/20 20:41	1
Carbon disulfide	ND		1.0	0.82	ug/L			07/01/20 20:41	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/01/20 20:41	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/01/20 20:41	1
Chloroethane	ND		1.0	0.32	ug/L			07/01/20 20:41	1
Chloroform	ND		1.0	0.33	ug/L			07/01/20 20:41	1
Chloromethane	ND		1.0	0.40	ug/L			07/01/20 20:41	1
cis-1,2-Dichloroethene	ND		1.0	0.22	ug/L			07/01/20 20:41	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			07/01/20 20:41	1
Cyclohexane	ND		1.0	0.32	ug/L			07/01/20 20:41	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/01/20 20:41	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			07/01/20 20:41	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/01/20 20:41	1
Freon 113	ND		1.0	0.31	ug/L			07/01/20 20:41	1
Isopropylbenzene	ND		1.0	0.34	ug/L			07/01/20 20:41	1
m&p-Xylene	ND		1.0	0.30	ug/L			07/01/20 20:41	1
Methyl acetate	ND		5.0	0.79	ug/L			07/01/20 20:41	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/01/20 20:41	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/01/20 20:41	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/01/20 20:41	1
o-Xylene	ND		1.0	0.36	ug/L			07/01/20 20:41	1
Styrene	ND		1.0	0.42	ug/L			07/01/20 20:41	1
Tetrachloroethene	ND		1.0	0.25	ug/L			07/01/20 20:41	1
Toluene	ND		1.0	0.38	ug/L			07/01/20 20:41	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/01/20 20:41	1
trans-1,3-Dichloropropene	ND		1.0	0.49	ug/L			07/01/20 20:41	1
Trichloroethene	ND		1.0	0.31	ug/L			07/01/20 20:41	1
Trichlorofluoromethane	ND		1.0	0.32	ug/L			07/01/20 20:41	1
Vinyl chloride	ND		1.0	0.17	ug/L			07/01/20 20:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		76 - 120		07/01/20 20:41	1
1,2-Dichloroethane-d4 (Surr)	98		75 - 123		07/01/20 20:41	1
Dibromofluoromethane (Surr)	98		77 - 124		07/01/20 20:41	1
Toluene-d8 (Surr)	100		80 - 120		07/01/20 20:41	1

Client Sample ID: MW-B-EPA-1A-06192020

Lab Sample ID: 410-5219-1

Date Collected: 06/19/20 14:00

Matrix: Groundwater

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		2.0	0.80	ug/L			07/02/20 07:37	2
Styrene	ND		10	0.40	ug/L			07/02/20 07:37	2
cis-1,3-Dichloropropene	ND		2.0	0.40	ug/L			07/02/20 07:37	2
trans-1,3-Dichloropropene	ND		2.0	0.40	ug/L			07/02/20 07:37	2
1,4-Dichlorobenzene	ND		10	0.40	ug/L			07/02/20 07:37	2
1,2-Dibromoethane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
1,2-Dichloroethane	21		2.0	0.60	ug/L			07/02/20 07:37	2

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-1A-06192020

Lab Sample ID: 410-5219-1

Date Collected: 06/19/20 14:00

Matrix: Groundwater

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone	ND		20	1.0	ug/L			07/02/20 07:37	2
Methylcyclohexane	ND		10	1.0	ug/L			07/02/20 07:37	2
Toluene	1.5	J	2.0	0.40	ug/L			07/02/20 07:37	2
Chlorobenzene	13		2.0	0.40	ug/L			07/02/20 07:37	2
Cyclohexane	ND		10	2.0	ug/L			07/02/20 07:37	2
1,2,4-Trichlorobenzene	ND		10	0.60	ug/L			07/02/20 07:37	2
Dibromochloromethane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
Tetrachloroethene	3.9		2.0	0.40	ug/L			07/02/20 07:37	2
cis-1,2-Dichloroethene	320		2.0	0.40	ug/L			07/02/20 07:37	2
trans-1,2-Dichloroethene	1.6	J	10	0.40	ug/L			07/02/20 07:37	2
Methyl tertiary butyl ether	ND		2.0	0.40	ug/L			07/02/20 07:37	2
1,3-Dichlorobenzene	ND		10	0.40	ug/L			07/02/20 07:37	2
Carbon tetrachloride	ND		2.0	0.40	ug/L			07/02/20 07:37	2
2-Hexanone	ND		20	0.60	ug/L			07/02/20 07:37	2
Acetone	ND		40	1.4	ug/L			07/02/20 07:37	2
Chloroform	ND		2.0	0.40	ug/L			07/02/20 07:37	2
Benzene	8.3		2.0	0.40	ug/L			07/02/20 07:37	2
1,1,1-Trichloroethane	ND		2.0	0.60	ug/L			07/02/20 07:37	2
Bromomethane	ND		2.0	0.60	ug/L			07/02/20 07:37	2
Chloromethane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
Bromochloromethane	ND		10	0.40	ug/L			07/02/20 07:37	2
Chloroethane	1.5	J	2.0	0.40	ug/L			07/02/20 07:37	2
Vinyl chloride	0.84	J	2.0	0.40	ug/L			07/02/20 07:37	2
Methylene Chloride	ND		2.0	0.60	ug/L			07/02/20 07:37	2
Carbon disulfide	ND		10	0.40	ug/L			07/02/20 07:37	2
Bromoform	ND		8.0	2.0	ug/L			07/02/20 07:37	2
Bromodichloromethane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
1,1-Dichloroethane	8.6		2.0	0.40	ug/L			07/02/20 07:37	2
1,1-Dichloroethene	7.4		2.0	0.40	ug/L			07/02/20 07:37	2
Trichlorofluoromethane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
Dichlorodifluoromethane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
Freon 113	ND		20	0.40	ug/L			07/02/20 07:37	2
1,2-Dichloropropane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
2-Butanone	ND		20	0.60	ug/L			07/02/20 07:37	2
1,1,2-Trichloroethane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
Methyl acetate	ND		10	0.60	ug/L			07/02/20 07:37	2
1,1,2,2-Tetrachloroethane	ND		2.0	0.40	ug/L			07/02/20 07:37	2
1,2,3-Trichlorobenzene	ND		10	0.80	ug/L			07/02/20 07:37	2
o-Xylene	ND		2.0	0.80	ug/L			07/02/20 07:37	2
1,2-Dichlorobenzene	ND		10	0.40	ug/L			07/02/20 07:37	2
1,2-Dibromo-3-Chloropropane	ND		10	0.60	ug/L			07/02/20 07:37	2
Isopropylbenzene	ND		10	0.40	ug/L			07/02/20 07:37	2
m&p-Xylene	ND		10	2.0	ug/L			07/02/20 07:37	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		07/02/20 07:37	2
4-Bromofluorobenzene (Surr)	92		80 - 120		07/02/20 07:37	2
Dibromofluoromethane (Surr)	109		80 - 120		07/02/20 07:37	2
Toluene-d8 (Surr)	97		80 - 120		07/02/20 07:37	2

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-1A-06192020

Lab Sample ID: 410-5219-1

Date Collected: 06/19/20 14:00

Matrix: Groundwater

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1800		20	4.0	ug/L			07/02/20 08:01	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120					07/02/20 08:01	20
4-Bromofluorobenzene (Surr)	92		80 - 120					07/02/20 08:01	20
Dibromofluoromethane (Surr)	105		80 - 120					07/02/20 08:01	20
Toluene-d8 (Surr)	97		80 - 120					07/02/20 08:01	20

Client Sample ID: MW-B-EPA-1B-06192020

Lab Sample ID: 410-5219-2

Date Collected: 06/19/20 14:05

Matrix: Groundwater

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			07/02/20 04:51	1
Styrene	ND		5.0	0.20	ug/L			07/02/20 04:51	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/02/20 04:51	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/02/20 04:51	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 04:51	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
1,2-Dichloroethane	12		1.0	0.30	ug/L			07/02/20 04:51	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			07/02/20 04:51	1
Methylcyclohexane	ND		5.0	0.50	ug/L			07/02/20 04:51	1
Toluene	1.5		1.0	0.20	ug/L			07/02/20 04:51	1
Chlorobenzene	8.5		1.0	0.20	ug/L			07/02/20 04:51	1
Cyclohexane	ND		5.0	1.0	ug/L			07/02/20 04:51	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			07/02/20 04:51	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
Tetrachloroethene	1.1		1.0	0.20	ug/L			07/02/20 04:51	1
trans-1,2-Dichloroethene	2.5	J	5.0	0.20	ug/L			07/02/20 04:51	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			07/02/20 04:51	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 04:51	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			07/02/20 04:51	1
2-Hexanone	ND		10	0.30	ug/L			07/02/20 04:51	1
Acetone	ND		20	0.70	ug/L			07/02/20 04:51	1
Chloroform	ND		1.0	0.20	ug/L			07/02/20 04:51	1
Benzene	56		1.0	0.20	ug/L			07/02/20 04:51	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/02/20 04:51	1
Bromomethane	ND		1.0	0.30	ug/L			07/02/20 04:51	1
Chloromethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/02/20 04:51	1
Chloroethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
Vinyl chloride	0.83	J	1.0	0.20	ug/L			07/02/20 04:51	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/02/20 04:51	1
Carbon disulfide	ND		5.0	0.20	ug/L			07/02/20 04:51	1
Bromoform	ND		4.0	1.0	ug/L			07/02/20 04:51	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
1,1-Dichloroethane	5.1		1.0	0.20	ug/L			07/02/20 04:51	1
1,1-Dichloroethene	6.5		1.0	0.20	ug/L			07/02/20 04:51	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-1B-06192020

Lab Sample ID: 410-5219-2

Date Collected: 06/19/20 14:05

Matrix: Groundwater

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
Freon 113	ND		10	0.20	ug/L			07/02/20 04:51	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
2-Butanone	ND		10	0.30	ug/L			07/02/20 04:51	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
Methyl acetate	ND		5.0	0.30	ug/L			07/02/20 04:51	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			07/02/20 04:51	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			07/02/20 04:51	1
o-Xylene	ND		1.0	0.40	ug/L			07/02/20 04:51	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 04:51	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			07/02/20 04:51	1
Isopropylbenzene	ND		5.0	0.20	ug/L			07/02/20 04:51	1
m&p-Xylene	ND		5.0	1.0	ug/L			07/02/20 04:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		07/02/20 04:51	1
4-Bromofluorobenzene (Surr)	91		80 - 120		07/02/20 04:51	1
Dibromofluoromethane (Surr)	106		80 - 120		07/02/20 04:51	1
Toluene-d8 (Surr)	98		80 - 120		07/02/20 04:51	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	730	HF J	10	2.0	ug/L			07/14/20 15:05	10
Trichloroethene	440	HF J	10	2.0	ug/L			07/14/20 15:05	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		07/14/20 15:05	10
4-Bromofluorobenzene (Surr)	94		80 - 120		07/14/20 15:05	10
Dibromofluoromethane (Surr)	106		80 - 120		07/14/20 15:05	10
Toluene-d8 (Surr)	100		80 - 120		07/14/20 15:05	10

Client Sample ID: MW-B-EPA-1C-06192020

Lab Sample ID: 410-5219-3

Date Collected: 06/19/20 14:10

Matrix: Groundwater

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			07/02/20 05:15	1
Styrene	ND		5.0	0.20	ug/L			07/02/20 05:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/02/20 05:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/02/20 05:15	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 05:15	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			07/02/20 05:15	1
1,2-Dichloroethane	10		1.0	0.30	ug/L			07/02/20 05:15	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			07/02/20 05:15	1
Methylcyclohexane	ND		5.0	0.50	ug/L			07/02/20 05:15	1
Toluene	2.3		1.0	0.20	ug/L			07/02/20 05:15	1
Chlorobenzene	5.7		1.0	0.20	ug/L			07/02/20 05:15	1
Cyclohexane	ND		5.0	1.0	ug/L			07/02/20 05:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			07/02/20 05:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/02/20 05:15	1

AMSS 8/26/2020

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-1C-06192020

Lab Sample ID: 410-5219-3

Date Collected: 06/19/20 14:10

Matrix: Groundwater

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.0	0.20	ug/L			07/02/20 05:15	1
trans-1,2-Dichloroethene	2.3	J	5.0	0.20	ug/L			07/02/20 05:15	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			07/02/20 05:15	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 05:15	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			07/02/20 05:15	1
2-Hexanone	ND		10	0.30	ug/L			07/02/20 05:15	1
Acetone	ND		20	0.70	ug/L			07/02/20 05:15	1
Chloroform	ND		1.0	0.20	ug/L			07/02/20 05:15	1
Benzene	41		1.0	0.20	ug/L			07/02/20 05:15	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/02/20 05:15	1
Bromomethane	ND		1.0	0.30	ug/L			07/02/20 05:15	1
Chloromethane	ND		1.0	0.20	ug/L			07/02/20 05:15	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/02/20 05:15	1
Chloroethane	1.7		1.0	0.20	ug/L			07/02/20 05:15	1
Vinyl chloride	0.93	J	1.0	0.20	ug/L			07/02/20 05:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/02/20 05:15	1
Carbon disulfide	ND		5.0	0.20	ug/L			07/02/20 05:15	1
Bromoform	ND		4.0	1.0	ug/L			07/02/20 05:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/02/20 05:15	1
1,1-Dichloroethane	3.2		1.0	0.20	ug/L			07/02/20 05:15	1
1,1-Dichloroethene	6.1		1.0	0.20	ug/L			07/02/20 05:15	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			07/02/20 05:15	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			07/02/20 05:15	1
Freon 113	ND		10	0.20	ug/L			07/02/20 05:15	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/02/20 05:15	1
2-Butanone	ND		10	0.30	ug/L			07/02/20 05:15	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/02/20 05:15	1
Trichloroethene	220		1.0	0.20	ug/L			07/02/20 05:15	1
Methyl acetate	ND		5.0	0.30	ug/L			07/02/20 05:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			07/02/20 05:15	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			07/02/20 05:15	1
o-Xylene	ND		1.0	0.40	ug/L			07/02/20 05:15	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 05:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			07/02/20 05:15	1
Isopropylbenzene	ND		5.0	0.20	ug/L			07/02/20 05:15	1
m&p-Xylene	ND		5.0	1.0	ug/L			07/02/20 05:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120		07/02/20 05:15	1
4-Bromofluorobenzene (Surr)	92		80 - 120		07/02/20 05:15	1
Dibromofluoromethane (Surr)	112		80 - 120		07/02/20 05:15	1
Toluene-d8 (Surr)	99		80 - 120		07/02/20 05:15	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	870	H J	10	2.0	ug/L			07/14/20 15:29	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120		07/14/20 15:29	10
4-Bromofluorobenzene (Surr)	96		80 - 120		07/14/20 15:29	10

AMSS 8/26/2020

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: MW-B-EPA-1C-06192020

Lab Sample ID: 410-5219-3

Date Collected: 06/19/20 14:10

Matrix: Groundwater

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	106		80 - 120		07/14/20 15:29	10
Toluene-d8 (Surr)	101		80 - 120		07/14/20 15:29	10

Client Sample ID: GW-06192020-TB

Lab Sample ID: 410-5219-4

Date Collected: 06/19/20 00:00

Matrix: Water

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			07/02/20 00:30	1
Styrene	ND		5.0	0.20	ug/L			07/02/20 00:30	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 00:30	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/02/20 00:30	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			07/02/20 00:30	1
Methylcyclohexane	ND		5.0	0.50	ug/L			07/02/20 00:30	1
Toluene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Chlorobenzene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Cyclohexane	ND		5.0	1.0	ug/L			07/02/20 00:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			07/02/20 00:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Tetrachloroethene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
trans-1,2-Dichloroethene	ND		5.0	0.20	ug/L			07/02/20 00:30	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			07/02/20 00:30	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 00:30	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			07/02/20 00:30	1
2-Hexanone	ND		10	0.30	ug/L			07/02/20 00:30	1
Acetone	ND		20	0.70	ug/L			07/02/20 00:30	1
Chloroform	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Benzene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			07/02/20 00:30	1
Bromomethane	ND		1.0	0.30	ug/L			07/02/20 00:30	1
Chloromethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Bromochloromethane	ND		5.0	0.20	ug/L			07/02/20 00:30	1
Chloroethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Vinyl chloride	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			07/02/20 00:30	1
Carbon disulfide	ND		5.0	0.20	ug/L			07/02/20 00:30	1
Bromoform	ND		4.0	1.0	ug/L			07/02/20 00:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Freon 113	ND		10	0.20	ug/L			07/02/20 00:30	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			07/02/20 00:30	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-4736-1

Client Sample ID: GW-06192020-TB

Lab Sample ID: 410-5219-4

Date Collected: 06/19/20 00:00

Matrix: Water

Date Received: 06/20/20 10:13

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		10	0.30	ug/L			07/02/20 00:30	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Trichloroethene	ND		1.0	0.20	ug/L			07/02/20 00:30	1
Methyl acetate	ND		5.0	0.30	ug/L			07/02/20 00:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			07/02/20 00:30	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			07/02/20 00:30	1
o-Xylene	ND		1.0	0.40	ug/L			07/02/20 00:30	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			07/02/20 00:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			07/02/20 00:30	1
Isopropylbenzene	ND		5.0	0.20	ug/L			07/02/20 00:30	1
m&p-Xylene	ND		5.0	1.0	ug/L			07/02/20 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120		07/02/20 00:30	1
4-Bromofluorobenzene (Surr)	90		80 - 120		07/02/20 00:30	1
Dibromofluoromethane (Surr)	106		80 - 120		07/02/20 00:30	1
Toluene-d8 (Surr)	98		80 - 120		07/02/20 00:30	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-5535-1
SDG: GWM10

Client Sample ID: MW-B-EPA-3B-06232020

Lab Sample ID: 410-5535-1

Date Collected: 06/23/20 13:22

Matrix: Groundwater

Date Received: 06/24/20 10:48

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/06/20 14:44	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.37	ug/L			07/06/20 14:44	1
1,1,2-Trichloroethane	ND		1.0	0.43	ug/L			07/06/20 14:44	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/06/20 14:44	1
1,1-Dichloroethene	ND		1.0	0.26	ug/L			07/06/20 14:44	1
1,2,3-Trichlorobenzene	ND		1.0	0.36	ug/L			07/06/20 14:44	1
1,2,4-Trichlorobenzene	ND		1.0	0.37	ug/L			07/06/20 14:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.38	ug/L			07/06/20 14:44	1
1,2-Dibromoethane	ND		1.0	0.50	ug/L			07/06/20 14:44	1
1,2-Dichlorobenzene	ND		1.0	0.43	ug/L			07/06/20 14:44	1
1,2-Dichloroethane	ND		1.0	0.43	ug/L			07/06/20 14:44	1
1,2-Dichloropropane	ND		1.0	0.35	ug/L			07/06/20 14:44	1
1,3-Dichlorobenzene	ND		1.0	0.34	ug/L			07/06/20 14:44	1
1,4-Dichlorobenzene	ND		1.0	0.33	ug/L			07/06/20 14:44	1
2-Butanone	ND		5.0	1.9	ug/L			07/06/20 14:44	1
2-Hexanone	ND		5.0	1.1	ug/L			07/06/20 14:44	1
4-Methyl-2-pentanone	ND		5.0	1.3	ug/L			07/06/20 14:44	1
Acetone	ND		5.0	4.4	ug/L			07/06/20 14:44	1
Benzene	5.3		1.0	0.20	ug/L			07/06/20 14:44	1
Bromochloromethane	ND		1.0	0.41	ug/L			07/06/20 14:44	1
Bromodichloromethane	ND		1.0	0.34	ug/L			07/06/20 14:44	1
Bromoform	ND		1.0	0.54	ug/L			07/06/20 14:44	1
Bromomethane	ND		1.0	0.55	ug/L			07/06/20 14:44	1
Carbon disulfide	ND		1.0	0.82	ug/L			07/06/20 14:44	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/06/20 14:44	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/20 14:44	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/20 14:44	1
Chloroform	ND		1.0	0.33	ug/L			07/06/20 14:44	1
Chloromethane	ND		1.0	0.40	ug/L			07/06/20 14:44	1
cis-1,2-Dichloroethene	0.44	J	1.0	0.22	ug/L			07/06/20 14:44	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			07/06/20 14:44	1
Cyclohexane	ND		1.0	0.32	ug/L			07/06/20 14:44	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/06/20 14:44	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			07/06/20 14:44	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/06/20 14:44	1
Freon 113	ND		1.0	0.31	ug/L			07/06/20 14:44	1
Isopropylbenzene	ND		1.0	0.34	ug/L			07/06/20 14:44	1
m&p-Xylene	ND		1.0	0.30	ug/L			07/06/20 14:44	1
Methyl acetate	ND		5.0	0.79	ug/L			07/06/20 14:44	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/06/20 14:44	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/06/20 14:44	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/06/20 14:44	1
o-Xylene	ND		1.0	0.36	ug/L			07/06/20 14:44	1
Styrene	ND		1.0	0.42	ug/L			07/06/20 14:44	1
Tetrachloroethene	ND		1.0	0.25	ug/L			07/06/20 14:44	1
Toluene	0.58	J	1.0	0.38	ug/L			07/06/20 14:44	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/06/20 14:44	1
trans-1,3-Dichloropropene	ND		1.0	0.49	ug/L			07/06/20 14:44	1
Trichloroethene	0.48	J	1.0	0.31	ug/L			07/06/20 14:44	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-5535-1
SDG: GWM10

Client Sample ID: MW-B-EPA-3B-06232020

Lab Sample ID: 410-5535-1

Date Collected: 06/23/20 13:22

Matrix: Groundwater

Date Received: 06/24/20 10:48

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.32	ug/L			07/06/20 14:44	1
Vinyl chloride	ND		1.0	0.17	ug/L			07/06/20 14:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	93		76 - 120					07/06/20 14:44	1
1,2-Dichloroethane-d4 (Surr)	90		75 - 123					07/06/20 14:44	1
Dibromofluoromethane (Surr)	95		77 - 124					07/06/20 14:44	1
Toluene-d8 (Surr)	95		80 - 120					07/06/20 14:44	1

Client Sample ID: MW-B-EPA-3C-06232020

Lab Sample ID: 410-5535-2

Date Collected: 06/23/20 13:25

Matrix: Groundwater

Date Received: 06/24/20 10:48

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/06/20 15:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.37	ug/L			07/06/20 15:05	1
1,1,2-Trichloroethane	ND		1.0	0.43	ug/L			07/06/20 15:05	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/06/20 15:05	1
1,1-Dichloroethene	ND		1.0	0.26	ug/L			07/06/20 15:05	1
1,2,3-Trichlorobenzene	ND		1.0	0.36	ug/L			07/06/20 15:05	1
1,2,4-Trichlorobenzene	ND		1.0	0.37	ug/L			07/06/20 15:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.38	ug/L			07/06/20 15:05	1
1,2-Dibromoethane	ND		1.0	0.50	ug/L			07/06/20 15:05	1
1,2-Dichlorobenzene	ND		1.0	0.43	ug/L			07/06/20 15:05	1
1,2-Dichloroethane	ND		1.0	0.43	ug/L			07/06/20 15:05	1
1,2-Dichloropropane	ND		1.0	0.35	ug/L			07/06/20 15:05	1
1,3-Dichlorobenzene	ND		1.0	0.34	ug/L			07/06/20 15:05	1
1,4-Dichlorobenzene	ND		1.0	0.33	ug/L			07/06/20 15:05	1
2-Butanone	ND		5.0	1.9	ug/L			07/06/20 15:05	1
2-Hexanone	ND		5.0	1.1	ug/L			07/06/20 15:05	1
4-Methyl-2-pentanone	ND		5.0	1.3	ug/L			07/06/20 15:05	1
Acetone	ND		5.0	4.4	ug/L			07/06/20 15:05	1
Benzene	8.4		1.0	0.20	ug/L			07/06/20 15:05	1
Bromochloromethane	ND		1.0	0.41	ug/L			07/06/20 15:05	1
Bromodichloromethane	ND		1.0	0.34	ug/L			07/06/20 15:05	1
Bromoform	ND		1.0	0.54	ug/L			07/06/20 15:05	1
Bromomethane	ND		1.0	0.55	ug/L			07/06/20 15:05	1
Carbon disulfide	ND		1.0	0.82	ug/L			07/06/20 15:05	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/06/20 15:05	1
Chlorobenzene	0.40 J		1.0	0.38	ug/L			07/06/20 15:05	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/20 15:05	1
Chloroform	ND		1.0	0.33	ug/L			07/06/20 15:05	1
Chloromethane	ND		1.0	0.40	ug/L			07/06/20 15:05	1
cis-1,2-Dichloroethene	0.78 J		1.0	0.22	ug/L			07/06/20 15:05	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			07/06/20 15:05	1
Cyclohexane	ND		1.0	0.32	ug/L			07/06/20 15:05	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/06/20 15:05	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			07/06/20 15:05	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/06/20 15:05	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-5535-1
SDG: GWM10

Client Sample ID: MW-B-EPA-3C-06232020

Lab Sample ID: 410-5535-2

Date Collected: 06/23/20 13:25

Matrix: Groundwater

Date Received: 06/24/20 10:48

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Freon 113	ND		1.0	0.31	ug/L			07/06/20 15:05	1
Isopropylbenzene	ND		1.0	0.34	ug/L			07/06/20 15:05	1
m&p-Xylene	ND		1.0	0.30	ug/L			07/06/20 15:05	1
Methyl acetate	ND		5.0	0.79	ug/L			07/06/20 15:05	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/06/20 15:05	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/06/20 15:05	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/06/20 15:05	1
o-Xylene	ND		1.0	0.36	ug/L			07/06/20 15:05	1
Styrene	ND		1.0	0.42	ug/L			07/06/20 15:05	1
Tetrachloroethene	ND		1.0	0.25	ug/L			07/06/20 15:05	1
Toluene	1.5		1.0	0.38	ug/L			07/06/20 15:05	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/06/20 15:05	1
trans-1,3-Dichloropropene	ND		1.0	0.49	ug/L			07/06/20 15:05	1
Trichloroethene	0.70 J		1.0	0.31	ug/L			07/06/20 15:05	1
Trichlorofluoromethane	ND		1.0	0.32	ug/L			07/06/20 15:05	1
Vinyl chloride	ND		1.0	0.17	ug/L			07/06/20 15:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	92		76 - 120		07/06/20 15:05	1
1,2-Dichloroethane-d4 (Surr)	91		75 - 123		07/06/20 15:05	1
Dibromofluoromethane (Surr)	99		77 - 124		07/06/20 15:05	1
Toluene-d8 (Surr)	93		80 - 120		07/06/20 15:05	1

Client Sample ID: GW-06232020-TB

Lab Sample ID: 410-5535-3

Date Collected: 06/23/20 00:00

Matrix: Water

Date Received: 06/24/20 10:48

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.24	ug/L			07/06/20 14:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.37	ug/L			07/06/20 14:24	1
1,1,2-Trichloroethane	ND		1.0	0.43	ug/L			07/06/20 14:24	1
1,1-Dichloroethane	ND		1.0	0.26	ug/L			07/06/20 14:24	1
1,1-Dichloroethene	ND		1.0	0.26	ug/L			07/06/20 14:24	1
1,2,3-Trichlorobenzene	ND		1.0	0.36	ug/L			07/06/20 14:24	1
1,2,4-Trichlorobenzene	ND		1.0	0.37	ug/L			07/06/20 14:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.38	ug/L			07/06/20 14:24	1
1,2-Dibromoethane	ND		1.0	0.50	ug/L			07/06/20 14:24	1
1,2-Dichlorobenzene	ND		1.0	0.43	ug/L			07/06/20 14:24	1
1,2-Dichloroethane	ND		1.0	0.43	ug/L			07/06/20 14:24	1
1,2-Dichloropropane	ND		1.0	0.35	ug/L			07/06/20 14:24	1
1,3-Dichlorobenzene	ND		1.0	0.34	ug/L			07/06/20 14:24	1
1,4-Dichlorobenzene	ND		1.0	0.33	ug/L			07/06/20 14:24	1
2-Butanone	ND		5.0	1.9	ug/L			07/06/20 14:24	1
2-Hexanone	ND		5.0	1.1	ug/L			07/06/20 14:24	1
4-Methyl-2-pentanone	ND		5.0	1.3	ug/L			07/06/20 14:24	1
Acetone	ND		5.0	4.4	ug/L			07/06/20 14:24	1
Benzene	ND		1.0	0.20	ug/L			07/06/20 14:24	1
Bromochloromethane	ND		1.0	0.41	ug/L			07/06/20 14:24	1
Bromodichloromethane	ND		1.0	0.34	ug/L			07/06/20 14:24	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-5535-1
SDG: GWM10

Client Sample ID: GW-06232020-TB

Lab Sample ID: 410-5535-3

Date Collected: 06/23/20 00:00

Matrix: Water

Date Received: 06/24/20 10:48

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		1.0	0.54	ug/L			07/06/20 14:24	1
Bromomethane	ND		1.0	0.55	ug/L			07/06/20 14:24	1
Carbon disulfide	ND		1.0	0.82	ug/L			07/06/20 14:24	1
Carbon tetrachloride	ND		1.0	0.21	ug/L			07/06/20 14:24	1
Chlorobenzene	ND		1.0	0.38	ug/L			07/06/20 14:24	1
Chloroethane	ND		1.0	0.32	ug/L			07/06/20 14:24	1
Chloroform	ND		1.0	0.33	ug/L			07/06/20 14:24	1
Chloromethane	ND		1.0	0.40	ug/L			07/06/20 14:24	1
cis-1,2-Dichloroethene	ND		1.0	0.22	ug/L			07/06/20 14:24	1
cis-1,3-Dichloropropene	ND		1.0	0.22	ug/L			07/06/20 14:24	1
Cyclohexane	ND		1.0	0.32	ug/L			07/06/20 14:24	1
Dibromochloromethane	ND		1.0	0.28	ug/L			07/06/20 14:24	1
Dichlorodifluoromethane	ND		1.0	0.31	ug/L			07/06/20 14:24	1
Ethylbenzene	ND		1.0	0.30	ug/L			07/06/20 14:24	1
Freon 113	ND		1.0	0.31	ug/L			07/06/20 14:24	1
Isopropylbenzene	ND		1.0	0.34	ug/L			07/06/20 14:24	1
m&p-Xylene	ND		1.0	0.30	ug/L			07/06/20 14:24	1
Methyl acetate	ND		5.0	0.79	ug/L			07/06/20 14:24	1
Methyl tertiary butyl ether	ND		1.0	0.47	ug/L			07/06/20 14:24	1
Methylcyclohexane	ND		1.0	0.26	ug/L			07/06/20 14:24	1
Methylene Chloride	ND		1.0	0.32	ug/L			07/06/20 14:24	1
o-Xylene	ND		1.0	0.36	ug/L			07/06/20 14:24	1
Styrene	ND		1.0	0.42	ug/L			07/06/20 14:24	1
Tetrachloroethene	ND		1.0	0.25	ug/L			07/06/20 14:24	1
Toluene	ND		1.0	0.38	ug/L			07/06/20 14:24	1
trans-1,2-Dichloroethene	ND		1.0	0.24	ug/L			07/06/20 14:24	1
trans-1,3-Dichloropropene	ND		1.0	0.49	ug/L			07/06/20 14:24	1
Trichloroethene	ND		1.0	0.31	ug/L			07/06/20 14:24	1
Trichlorofluoromethane	ND		1.0	0.32	ug/L			07/06/20 14:24	1
Vinyl chloride	ND		1.0	0.17	ug/L			07/06/20 14:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	95		76 - 120		07/06/20 14:24	1
1,2-Dichloroethane-d4 (Surr)	93		75 - 123		07/06/20 14:24	1
Dibromofluoromethane (Surr)	97		77 - 124		07/06/20 14:24	1
Toluene-d8 (Surr)	97		80 - 120		07/06/20 14:24	1

APPENDIX E.2
FALL 2020 LABORATORY RESULT FORMS

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-102-11102020

Lab Sample ID: 410-20426-1

Date Collected: 11/10/20 11:30

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.0	2.0	ug/L			11/19/20 05:43	5
Styrene	ND		25	1.0	ug/L			11/19/20 05:43	5
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/L			11/19/20 05:43	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			11/19/20 05:43	5
1,4-Dichlorobenzene	ND		25	1.0	ug/L			11/19/20 05:43	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			11/19/20 05:43	5
4-Methyl-2-pentanone	ND		50	2.5	ug/L			11/19/20 05:43	5
Methylcyclohexane	ND		25	2.5	ug/L			11/19/20 05:43	5
Toluene	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Chlorobenzene	26		5.0	1.0	ug/L			11/19/20 05:43	5
Cyclohexane	ND		25	5.0	ug/L			11/19/20 05:43	5
1,2,4-Trichlorobenzene	ND		25	1.5	ug/L			11/19/20 05:43	5
Dibromochloromethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Tetrachloroethene	ND		5.0	1.0	ug/L			11/19/20 05:43	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			11/19/20 05:43	5
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			11/19/20 05:43	5
1,3-Dichlorobenzene	ND		25	1.0	ug/L			11/19/20 05:43	5
Carbon tetrachloride	ND		5.0	1.0	ug/L			11/19/20 05:43	5
2-Hexanone	ND		50	1.5	ug/L			11/19/20 05:43	5
Acetone	ND		100	3.5	ug/L			11/19/20 05:43	5
Chloroform	ND		5.0	1.0	ug/L			11/19/20 05:43	5
1,1,1-Trichloroethane	ND		5.0	1.5	ug/L			11/19/20 05:43	5
Bromomethane	ND		5.0	1.5	ug/L			11/19/20 05:43	5
Chloromethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Bromochloromethane	ND		25	1.0	ug/L			11/19/20 05:43	5
Chloroethane	1.6	J	5.0	1.0	ug/L			11/19/20 05:43	5
Vinyl chloride	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Methylene Chloride	ND		5.0	1.5	ug/L			11/19/20 05:43	5
Carbon disulfide	ND		25	1.0	ug/L			11/19/20 05:43	5
Bromoform	ND		20	5.0	ug/L			11/19/20 05:43	5
Bromodichloromethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
1,1-Dichloroethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
1,1-Dichloroethene	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Trichlorofluoromethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Dichlorodifluoromethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Freon 113	ND		50	1.0	ug/L			11/19/20 05:43	5
1,2-Dichloropropane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
2-Butanone	ND		50	1.5	ug/L			11/19/20 05:43	5
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Trichloroethene	ND		5.0	1.0	ug/L			11/19/20 05:43	5
Methyl acetate	ND		25	1.5	ug/L			11/19/20 05:43	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.0	ug/L			11/19/20 05:43	5
1,2,3-Trichlorobenzene	ND		25	2.0	ug/L			11/19/20 05:43	5
o-Xylene	ND		5.0	2.0	ug/L			11/19/20 05:43	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			11/19/20 05:43	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			11/19/20 05:43	5
Isopropylbenzene	ND		25	1.0	ug/L			11/19/20 05:43	5

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-102-11102020

Lab Sample ID: 410-20426-1

Date Collected: 11/10/20 11:30

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	ND		25	5.0	ug/L			11/19/20 05:43	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		80 - 120					11/19/20 05:43	5
4-Bromofluorobenzene (Surr)	91		80 - 120					11/19/20 05:43	5
Dibromofluoromethane (Surr)	100		80 - 120					11/19/20 05:43	5
Toluene-d8 (Surr)	101		80 - 120					11/19/20 05:43	5

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	2000		50	10	ug/L			11/19/20 06:05	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	105		80 - 120					11/19/20 06:05	50
4-Bromofluorobenzene (Surr)	90		80 - 120					11/19/20 06:05	50
Dibromofluoromethane (Surr)	101		80 - 120					11/19/20 06:05	50
Toluene-d8 (Surr)	101		80 - 120					11/19/20 06:05	50

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	96		6.1	2.0	ug/L		11/17/20 09:06	11/18/20 20:45	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	51		10 - 122				11/17/20 09:06	11/18/20 20:45	20
1-Methylnaphthalene-d10 (Surr)	74		49 - 115				11/17/20 09:06	11/18/20 20:45	20
Fluoranthene-d10 (Surr)	81		65 - 129				11/17/20 09:06	11/18/20 20:45	20

Client Sample ID: MW-B-OMW-201-11102020

Lab Sample ID: 410-20426-2

Date Collected: 11/10/20 13:25

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	180		20	8.0	ug/L			11/19/20 06:27	20
Styrene	ND		100	4.0	ug/L			11/19/20 06:27	20
cis-1,3-Dichloropropene	ND		20	4.0	ug/L			11/19/20 06:27	20
trans-1,3-Dichloropropene	ND		20	4.0	ug/L			11/19/20 06:27	20
1,4-Dichlorobenzene	11 J		100	4.0	ug/L			11/19/20 06:27	20
1,2-Dibromoethane	ND		20	4.0	ug/L			11/19/20 06:27	20
1,2-Dichloroethane	ND		20	6.0	ug/L			11/19/20 06:27	20
4-Methyl-2-pentanone	ND		200	10	ug/L			11/19/20 06:27	20
Methylcyclohexane	ND		100	10	ug/L			11/19/20 06:27	20
Toluene	590		20	4.0	ug/L			11/19/20 06:27	20
Chlorobenzene	2800		20	4.0	ug/L			11/19/20 06:27	20
Cyclohexane	ND		100	20	ug/L			11/19/20 06:27	20
1,2,4-Trichlorobenzene	ND		100	6.0	ug/L			11/19/20 06:27	20
Dibromochloromethane	ND		20	4.0	ug/L			11/19/20 06:27	20
Tetrachloroethene	ND		20	4.0	ug/L			11/19/20 06:27	20
cis-1,2-Dichloroethene	ND		20	4.0	ug/L			11/19/20 06:27	20
trans-1,2-Dichloroethene	6.6 J		20	4.0	ug/L			11/19/20 06:27	20
Methyl tertiary butyl ether	ND		20	4.0	ug/L			11/19/20 06:27	20

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-201-11102020

Lab Sample ID: 410-20426-2

Date Collected: 11/10/20 13:25

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		100	4.0	ug/L			11/19/20 06:27	20
Carbon tetrachloride	ND		20	4.0	ug/L			11/19/20 06:27	20
2-Hexanone	ND		200	6.0	ug/L			11/19/20 06:27	20
Acetone	ND		400	14	ug/L			11/19/20 06:27	20
Chloroform	ND		20	4.0	ug/L			11/19/20 06:27	20
1,1,1-Trichloroethane	ND		20	6.0	ug/L			11/19/20 06:27	20
Bromomethane	ND		20	6.0	ug/L			11/19/20 06:27	20
Chloromethane	ND		20	4.0	ug/L			11/19/20 06:27	20
Bromochloromethane	ND		100	4.0	ug/L			11/19/20 06:27	20
Chloroethane	40		20	4.0	ug/L			11/19/20 06:27	20
Vinyl chloride	ND		20	4.0	ug/L			11/19/20 06:27	20
Methylene Chloride	ND		20	6.0	ug/L			11/19/20 06:27	20
Carbon disulfide	ND		100	4.0	ug/L			11/19/20 06:27	20
Bromoform	ND		80	20	ug/L			11/19/20 06:27	20
Bromodichloromethane	ND		20	4.0	ug/L			11/19/20 06:27	20
1,1-Dichloroethane	ND		20	4.0	ug/L			11/19/20 06:27	20
1,1-Dichloroethene	ND		20	4.0	ug/L			11/19/20 06:27	20
Trichlorofluoromethane	ND		20	4.0	ug/L			11/19/20 06:27	20
Dichlorodifluoromethane	ND		20	4.0	ug/L			11/19/20 06:27	20
Freon 113	ND		200	4.0	ug/L			11/19/20 06:27	20
1,2-Dichloropropane	ND		20	4.0	ug/L			11/19/20 06:27	20
2-Butanone	ND		200	6.0	ug/L			11/19/20 06:27	20
1,1,2-Trichloroethane	ND		20	4.0	ug/L			11/19/20 06:27	20
Trichloroethene	ND		20	4.0	ug/L			11/19/20 06:27	20
Methyl acetate	ND		100	6.0	ug/L			11/19/20 06:27	20
1,1,2,2-Tetrachloroethane	ND		20	4.0	ug/L			11/19/20 06:27	20
1,2,3-Trichlorobenzene	ND		100	8.0	ug/L			11/19/20 06:27	20
o-Xylene	110		20	8.0	ug/L			11/19/20 06:27	20
1,2-Dichlorobenzene	ND		100	4.0	ug/L			11/19/20 06:27	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			11/19/20 06:27	20
Isopropylbenzene	ND		100	4.0	ug/L			11/19/20 06:27	20
m&p-Xylene	590		100	20	ug/L			11/19/20 06:27	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		80 - 120		11/19/20 06:27	20
4-Bromofluorobenzene (Surr)	93		80 - 120		11/19/20 06:27	20
Dibromofluoromethane (Surr)	100		80 - 120		11/19/20 06:27	20
Toluene-d8 (Surr)	99		80 - 120		11/19/20 06:27	20

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	13000		200	40	ug/L			11/19/20 06:49	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/19/20 06:49	200
4-Bromofluorobenzene (Surr)	92		80 - 120		11/19/20 06:49	200
Dibromofluoromethane (Surr)	102		80 - 120		11/19/20 06:49	200
Toluene-d8 (Surr)	101		80 - 120		11/19/20 06:49	200

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-201-11102020

Lab Sample ID: 410-20426-2

Date Collected: 11/10/20 13:25

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	750		28	9.3	ug/L		11/17/20 09:06	11/25/20 23:13	100

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	60		10 - 122	11/17/20 09:06	11/25/20 23:13	100
1-Methylnaphthalene-d10 (Surr)	102		49 - 115	11/17/20 09:06	11/25/20 23:13	100
Fluoranthene-d10 (Surr)	68		65 - 129	11/17/20 09:06	11/25/20 23:13	100

Client Sample ID: MW-B-EPA-4A-11102020

Lab Sample ID: 410-20426-3

Date Collected: 11/10/20 14:00

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/19/20 00:13	1
Styrene	ND		5.0	0.20	ug/L			11/19/20 00:13	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/19/20 00:13	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/19/20 00:13	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/19/20 00:13	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/19/20 00:13	1
Toluene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Cyclohexane	ND		5.0	1.0	ug/L			11/19/20 00:13	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/19/20 00:13	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/19/20 00:13	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/19/20 00:13	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/19/20 00:13	1
2-Hexanone	ND		10	0.30	ug/L			11/19/20 00:13	1
Acetone	1.1	J J	20	0.70	ug/L			11/19/20 00:13	1
Chloroform	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Benzene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/19/20 00:13	1
Bromomethane	ND		1.0	0.30	ug/L			11/19/20 00:13	1
Chloromethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/19/20 00:13	1
Chloroethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/19/20 00:13	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/19/20 00:13	1
Bromoform	ND		4.0	1.0	ug/L			11/19/20 00:13	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1

AMSS 12/15/2020

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-4A-11102020

Lab Sample ID: 410-20426-3

Date Collected: 11/10/20 14:00

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Freon 113	ND		10	0.20	ug/L			11/19/20 00:13	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
2-Butanone	ND		10	0.30	ug/L			11/19/20 00:13	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Trichloroethene	ND		1.0	0.20	ug/L			11/19/20 00:13	1
Methyl acetate	ND		5.0	0.30	ug/L			11/19/20 00:13	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/19/20 00:13	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/19/20 00:13	1
o-Xylene	ND		1.0	0.40	ug/L			11/19/20 00:13	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/19/20 00:13	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/19/20 00:13	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/19/20 00:13	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/19/20 00:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/19/20 00:13	1
4-Bromofluorobenzene (Surr)	90		80 - 120		11/19/20 00:13	1
Dibromofluoromethane (Surr)	102		80 - 120		11/19/20 00:13	1
Toluene-d8 (Surr)	99		80 - 120		11/19/20 00:13	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.59	F1 J	0.29	0.096	ug/L		11/17/20 09:06	11/18/20 21:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	48		10 - 122	11/17/20 09:06	11/18/20 21:46	1
1-Methylnaphthalene-d10 (Surr)	77		49 - 115	11/17/20 09:06	11/18/20 21:46	1
Fluoranthene-d10 (Surr)	34	X *3	65 - 129	11/17/20 09:06	11/18/20 21:46	1

Client Sample ID: MW-B-EPA-4B-11102020

Lab Sample ID: 410-20426-4

Date Collected: 11/10/20 14:10

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/19/20 01:19	1
Styrene	ND		5.0	0.20	ug/L			11/19/20 01:19	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/19/20 01:19	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/19/20 01:19	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/19/20 01:19	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/19/20 01:19	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/19/20 01:19	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/19/20 01:19	1
Toluene	3.7		1.0	0.20	ug/L			11/19/20 01:19	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Cyclohexane	ND		5.0	1.0	ug/L			11/19/20 01:19	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/19/20 01:19	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/19/20 01:19	1

AMSS 12/17/2020

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-4B-11102020

Lab Sample ID: 410-20426-4

Date Collected: 11/10/20 14:10

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/19/20 01:19	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/19/20 01:19	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/19/20 01:19	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/19/20 01:19	1
2-Hexanone	ND		10	0.30	ug/L			11/19/20 01:19	1
Acetone	ND		20	0.70	ug/L			11/19/20 01:19	1
Chloroform	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Benzene	ND		1.0	0.20	ug/L			11/19/20 01:19	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/19/20 01:19	1
Bromomethane	ND		1.0	0.30	ug/L			11/19/20 01:19	1
Chloromethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/19/20 01:19	1
Chloroethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/19/20 01:19	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/19/20 01:19	1
Bromoform	ND		4.0	1.0	ug/L			11/19/20 01:19	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Freon 113	ND		10	0.20	ug/L			11/19/20 01:19	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
2-Butanone	ND		10	0.30	ug/L			11/19/20 01:19	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Trichloroethene	ND		1.0	0.20	ug/L			11/19/20 01:19	1
Methyl acetate	ND		5.0	0.30	ug/L			11/19/20 01:19	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/19/20 01:19	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/19/20 01:19	1
o-Xylene	ND		1.0	0.40	ug/L			11/19/20 01:19	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/19/20 01:19	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/19/20 01:19	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/19/20 01:19	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/19/20 01:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		11/19/20 01:19	1
4-Bromofluorobenzene (Surr)	93		80 - 120		11/19/20 01:19	1
Dibromofluoromethane (Surr)	101		80 - 120		11/19/20 01:19	1
Toluene-d8 (Surr)	101		80 - 120		11/19/20 01:19	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.57		0.30	0.10	ug/L		11/17/20 09:06	11/18/20 23:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	82		10 - 122	11/17/20 09:06	11/18/20 23:17	1
1-Methylnaphthalene-d10 (Surr)	71		49 - 115	11/17/20 09:06	11/18/20 23:17	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-4B-11102020

Date Collected: 11/10/20 14:10

Date Received: 11/11/20 10:40

Lab Sample ID: 410-20426-4

Matrix: Groundwater

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Fluoranthene-d10 (Surr)	75		65 - 129	11/17/20 09:06	11/18/20 23:17	1

Client Sample ID: DUP-001-11102020 (blind dup of OMW-102)

Date Collected: 11/10/20 00:00

Date Received: 11/11/20 10:40

Lab Sample ID: 410-20426-5

Matrix: Groundwater

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		5.0	2.0	ug/L			11/19/20 07:11	5
Styrene	ND		25	1.0	ug/L			11/19/20 07:11	5
cis-1,3-Dichloropropene	ND		5.0	1.0	ug/L			11/19/20 07:11	5
trans-1,3-Dichloropropene	ND		5.0	1.0	ug/L			11/19/20 07:11	5
1,4-Dichlorobenzene	ND		25	1.0	ug/L			11/19/20 07:11	5
1,2-Dibromoethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
1,2-Dichloroethane	ND		5.0	1.5	ug/L			11/19/20 07:11	5
4-Methyl-2-pentanone	ND		50	2.5	ug/L			11/19/20 07:11	5
Methylcyclohexane	ND		25	2.5	ug/L			11/19/20 07:11	5
Toluene	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Chlorobenzene	25		5.0	1.0	ug/L			11/19/20 07:11	5
Cyclohexane	ND		25	5.0	ug/L			11/19/20 07:11	5
1,2,4-Trichlorobenzene	ND		25	1.5	ug/L			11/19/20 07:11	5
Dibromochloromethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Tetrachloroethene	ND		5.0	1.0	ug/L			11/19/20 07:11	5
cis-1,2-Dichloroethene	ND		5.0	1.0	ug/L			11/19/20 07:11	5
trans-1,2-Dichloroethene	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Methyl tertiary butyl ether	ND		5.0	1.0	ug/L			11/19/20 07:11	5
1,3-Dichlorobenzene	ND		25	1.0	ug/L			11/19/20 07:11	5
Carbon tetrachloride	ND		5.0	1.0	ug/L			11/19/20 07:11	5
2-Hexanone	ND		50	1.5	ug/L			11/19/20 07:11	5
Acetone	ND		100	3.5	ug/L			11/19/20 07:11	5
Chloroform	ND		5.0	1.0	ug/L			11/19/20 07:11	5
1,1,1-Trichloroethane	ND		5.0	1.5	ug/L			11/19/20 07:11	5
Bromomethane	ND		5.0	1.5	ug/L			11/19/20 07:11	5
Chloromethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Bromochloromethane	ND		25	1.0	ug/L			11/19/20 07:11	5
Chloroethane	1.7 J		5.0	1.0	ug/L			11/19/20 07:11	5
Vinyl chloride	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Methylene Chloride	ND		5.0	1.5	ug/L			11/19/20 07:11	5
Carbon disulfide	ND		25	1.0	ug/L			11/19/20 07:11	5
Bromoform	ND		20	5.0	ug/L			11/19/20 07:11	5
Bromodichloromethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
1,1-Dichloroethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
1,1-Dichloroethene	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Trichlorofluoromethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Dichlorodifluoromethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Freon 113	ND		50	1.0	ug/L			11/19/20 07:11	5
1,2-Dichloropropane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
2-Butanone	ND		50	1.5	ug/L			11/19/20 07:11	5
1,1,2-Trichloroethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5

AMSS 12/15/2020

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: DUP-001-11102020 (blind dup of OMW-102)

Lab Sample ID: 410-20426-5

Date Collected: 11/10/20 00:00

Matrix: Groundwater

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	ND		5.0	1.0	ug/L			11/19/20 07:11	5
Methyl acetate	ND		25	1.5	ug/L			11/19/20 07:11	5
1,1,2,2-Tetrachloroethane	ND		5.0	1.0	ug/L			11/19/20 07:11	5
1,2,3-Trichlorobenzene	ND		25	2.0	ug/L			11/19/20 07:11	5
o-Xylene	ND		5.0	2.0	ug/L			11/19/20 07:11	5
1,2-Dichlorobenzene	ND		25	1.0	ug/L			11/19/20 07:11	5
1,2-Dibromo-3-Chloropropane	ND		25	1.5	ug/L			11/19/20 07:11	5
Isopropylbenzene	ND		25	1.0	ug/L			11/19/20 07:11	5
m&p-Xylene	ND		25	5.0	ug/L			11/19/20 07:11	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		80 - 120					11/19/20 07:11	5
4-Bromofluorobenzene (Surr)	90		80 - 120					11/19/20 07:11	5
Dibromofluoromethane (Surr)	100		80 - 120					11/19/20 07:11	5
Toluene-d8 (Surr)	101		80 - 120					11/19/20 07:11	5

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	1800		50	10	ug/L			11/19/20 07:33	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120					11/19/20 07:33	50
4-Bromofluorobenzene (Surr)	90		80 - 120					11/19/20 07:33	50
Dibromofluoromethane (Surr)	102		80 - 120					11/19/20 07:33	50
Toluene-d8 (Surr)	101		80 - 120					11/19/20 07:33	50

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	96		6.2	2.1	ug/L		11/17/20 09:06	11/18/20 23:48	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	55		10 - 122				11/17/20 09:06	11/18/20 23:48	20
1-Methylnaphthalene-d10 (Surr)	70		49 - 115				11/17/20 09:06	11/18/20 23:48	20
Fluoranthene-d10 (Surr)	87		65 - 129				11/17/20 09:06	11/18/20 23:48	20

Client Sample ID: GW-11102020-TB

Lab Sample ID: 410-20426-6

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/18/20 23:30	1
Styrene	ND		5.0	0.20	ug/L			11/18/20 23:30	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/18/20 23:30	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/18/20 23:30	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/18/20 23:30	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/18/20 23:30	1
Toluene	ND		1.0	0.20	ug/L			11/18/20 23:30	1

AMSS 12/15/2020

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11102020-TB

Lab Sample ID: 410-20426-6

Date Collected: 11/10/20 00:00

Matrix: Water

Date Received: 11/11/20 10:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Cyclohexane	ND		5.0	1.0	ug/L			11/18/20 23:30	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/18/20 23:30	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/18/20 23:30	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/18/20 23:30	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/18/20 23:30	1
2-Hexanone	ND		10	0.30	ug/L			11/18/20 23:30	1
Acetone	ND		20	0.70	ug/L			11/18/20 23:30	1
Chloroform	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Benzene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/18/20 23:30	1
Bromomethane	ND		1.0	0.30	ug/L			11/18/20 23:30	1
Chloromethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/18/20 23:30	1
Chloroethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/18/20 23:30	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/18/20 23:30	1
Bromoform	ND		4.0	1.0	ug/L			11/18/20 23:30	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Freon 113	ND		10	0.20	ug/L			11/18/20 23:30	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
2-Butanone	ND		10	0.30	ug/L			11/18/20 23:30	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Trichloroethene	ND		1.0	0.20	ug/L			11/18/20 23:30	1
Methyl acetate	ND		5.0	0.30	ug/L			11/18/20 23:30	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/18/20 23:30	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/18/20 23:30	1
o-Xylene	ND		1.0	0.40	ug/L			11/18/20 23:30	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/18/20 23:30	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/18/20 23:30	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/18/20 23:30	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/18/20 23:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/18/20 23:30	1
4-Bromofluorobenzene (Surr)	92		80 - 120		11/18/20 23:30	1
Dibromofluoromethane (Surr)	101		80 - 120		11/18/20 23:30	1
Toluene-d8 (Surr)	101		80 - 120		11/18/20 23:30	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-202-11122020

Lab Sample ID: 410-20764-1

Date Collected: 11/12/20 12:15

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 06:55	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 06:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 06:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 06:55	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 06:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
1,2-Dichloroethane	0.36	J	1.0	0.30	ug/L			11/23/20 06:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 06:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 06:55	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Chlorobenzene	0.40	J	1.0	0.20	ug/L			11/23/20 06:55	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 06:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 06:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 06:55	1
cis-1,2-Dichloroethene	1.2		1.0	0.20	ug/L			11/23/20 06:55	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 06:55	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 06:55	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 06:55	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 06:55	1
Acetone	ND		20	0.70	ug/L			11/23/20 06:55	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Benzene	6.3		1.0	0.20	ug/L			11/23/20 06:55	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 06:55	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 06:55	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 06:55	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 06:55	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 06:55	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 06:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Freon 113	ND		10	0.20	ug/L			11/23/20 06:55	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
2-Butanone	ND		10	0.30	ug/L			11/23/20 06:55	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
Trichloroethene	1.0		1.0	0.20	ug/L			11/23/20 06:55	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 06:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 06:55	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 06:55	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 06:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 06:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 06:55	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-202-11122020

Lab Sample ID: 410-20764-1

Date Collected: 11/12/20 12:15

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 06:55	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 06:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120					11/23/20 06:55	1
4-Bromofluorobenzene (Surr)	98		80 - 120					11/23/20 06:55	1
Dibromofluoromethane (Surr)	98		80 - 120					11/23/20 06:55	1
Toluene-d8 (Surr)	103		80 - 120					11/23/20 06:55	1

Client Sample ID: MW-B-EPA-5A-11122020

Lab Sample ID: 410-20764-2

Date Collected: 11/12/20 14:20

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 00:28	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 00:28	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 00:28	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/23/20 00:28	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 00:28	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 00:28	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Cyclohexane	ND	F1	5.0	1.0	ug/L			11/23/20 00:28	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 00:28	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
cis-1,2-Dichloroethene	ND	F1	1.0	0.20	ug/L			11/23/20 00:28	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 00:28	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 00:28	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 00:28	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 00:28	1
Acetone	ND		20	0.70	ug/L			11/23/20 00:28	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Benzene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 00:28	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 00:28	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 00:28	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 00:28	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 00:28	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 00:28	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-5A-11122020

Lab Sample ID: 410-20764-2

Date Collected: 11/12/20 14:20

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Freon 113	ND		10	0.20	ug/L			11/23/20 00:28	1
1,2-Dichloropropane	ND	F1	1.0	0.20	ug/L			11/23/20 00:28	1
2-Butanone	ND		10	0.30	ug/L			11/23/20 00:28	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Trichloroethene	ND		1.0	0.20	ug/L			11/23/20 00:28	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 00:28	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 00:28	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 00:28	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 00:28	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 00:28	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 00:28	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 00:28	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		11/23/20 00:28	1
4-Bromofluorobenzene (Surr)	99		80 - 120		11/23/20 00:28	1
Dibromofluoromethane (Surr)	97		80 - 120		11/23/20 00:28	1
Toluene-d8 (Surr)	101		80 - 120		11/23/20 00:28	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.31	0.10	ug/L		11/19/20 10:20	12/03/20 17:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	34		10 - 122	11/19/20 10:20	12/03/20 17:13	1
1-Methylnaphthalene-d10 (Surr)	67		49 - 115	11/19/20 10:20	12/03/20 17:13	1
Fluoranthene-d10 (Surr)	72		65 - 129	11/19/20 10:20	12/03/20 17:13	1

Client Sample ID: MW-B-EPA-5B-11122020

Lab Sample ID: 410-20764-3

Date Collected: 11/12/20 14:25

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 01:36	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 01:36	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 01:36	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/23/20 01:36	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 01:36	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 01:36	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 01:36	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 01:36	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-5B-11122020

Lab Sample ID: 410-20764-3

Date Collected: 11/12/20 14:25

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 01:36	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 01:36	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 01:36	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 01:36	1
Acetone	ND		20	0.70	ug/L			11/23/20 01:36	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Benzene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 01:36	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 01:36	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 01:36	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 01:36	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 01:36	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 01:36	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Freon 113	ND		10	0.20	ug/L			11/23/20 01:36	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
2-Butanone	ND		10	0.30	ug/L			11/23/20 01:36	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Trichloroethene	ND		1.0	0.20	ug/L			11/23/20 01:36	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 01:36	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 01:36	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 01:36	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 01:36	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 01:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 01:36	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 01:36	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 01:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		11/23/20 01:36	1
4-Bromofluorobenzene (Surr)	99		80 - 120		11/23/20 01:36	1
Dibromofluoromethane (Surr)	99		80 - 120		11/23/20 01:36	1
Toluene-d8 (Surr)	102		80 - 120		11/23/20 01:36	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.31	0.10	ug/L		11/19/20 10:20	12/03/20 17:44	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-5B-11122020

Lab Sample ID: 410-20764-3

Date Collected: 11/12/20 14:25

Matrix: Groundwater

Date Received: 11/13/20 10:37

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	61		10 - 122	11/19/20 10:20	12/03/20 17:44	1
1-Methylnaphthalene-d10 (Surr)	77		49 - 115	11/19/20 10:20	12/03/20 17:44	1
Fluoranthene-d10 (Surr)	72		65 - 129	11/19/20 10:20	12/03/20 17:44	1

Client Sample ID: MW-B-OMW-215-11122020

Lab Sample ID: 410-20764-4

Date Collected: 11/12/20 14:35

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 01:59	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 01:59	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 01:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 01:59	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 01:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/23/20 01:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 01:59	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 01:59	1
Toluene	3.2		1.0	0.20	ug/L			11/23/20 01:59	1
Chlorobenzene	1.9		1.0	0.20	ug/L			11/23/20 01:59	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 01:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 01:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 01:59	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 01:59	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 01:59	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 01:59	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 01:59	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 01:59	1
Acetone	ND		20	0.70	ug/L			11/23/20 01:59	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Benzene	79		1.0	0.20	ug/L			11/23/20 01:59	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 01:59	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 01:59	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 01:59	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 01:59	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 01:59	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 01:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Freon 113	ND		10	0.20	ug/L			11/23/20 01:59	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 01:59	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-215-11122020

Lab Sample ID: 410-20764-4

Date Collected: 11/12/20 14:35

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		10	0.30	ug/L			11/23/20 01:59	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Trichloroethene	ND		1.0	0.20	ug/L			11/23/20 01:59	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 01:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 01:59	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 01:59	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 01:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 01:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 01:59	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 01:59	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 01:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		11/23/20 01:59	1
4-Bromofluorobenzene (Surr)	99		80 - 120		11/23/20 01:59	1
Dibromofluoromethane (Surr)	99		80 - 120		11/23/20 01:59	1
Toluene-d8 (Surr)	100		80 - 120		11/23/20 01:59	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.1		0.31	0.10	ug/L		11/19/20 10:20	12/03/20 15:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	89		10 - 122	11/19/20 10:20	12/03/20 15:40	1
1-Methylnaphthalene-d10 (Surr)	80		49 - 115	11/19/20 10:20	12/03/20 15:40	1
Fluoranthene-d10 (Surr)	94		65 - 129	11/19/20 10:20	12/03/20 15:40	1

Client Sample ID: DUP-002-11122020 (blind dup of OMW-202)

Lab Sample ID: 410-20764-5

Date Collected: 11/12/20 00:00

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 02:22	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 02:22	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 02:22	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 02:22	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 02:22	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
1,2-Dichloroethane	0.38	J	1.0	0.30	ug/L			11/23/20 02:22	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 02:22	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 02:22	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Chlorobenzene	0.38	J	1.0	0.20	ug/L			11/23/20 02:22	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 02:22	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 02:22	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 02:22	1
cis-1,2-Dichloroethene	1.2		1.0	0.20	ug/L			11/23/20 02:22	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 02:22	1

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Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: DUP-002-11122020 (blind dup of OMW-202)

Lab Sample ID: 410-20764-5

Date Collected: 11/12/20 00:00

Matrix: Groundwater

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 02:22	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 02:22	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 02:22	1
Acetone	ND		20	0.70	ug/L			11/23/20 02:22	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Benzene	6.5		1.0	0.20	ug/L			11/23/20 02:22	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 02:22	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 02:22	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 02:22	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 02:22	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 02:22	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 02:22	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Freon 113	ND		10	0.20	ug/L			11/23/20 02:22	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
2-Butanone	ND		10	0.30	ug/L			11/23/20 02:22	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
Trichloroethene	0.93	J	1.0	0.20	ug/L			11/23/20 02:22	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 02:22	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 02:22	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 02:22	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 02:22	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 02:22	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 02:22	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 02:22	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 02:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		11/23/20 02:22	1
4-Bromofluorobenzene (Surr)	98		80 - 120		11/23/20 02:22	1
Dibromofluoromethane (Surr)	97		80 - 120		11/23/20 02:22	1
Toluene-d8 (Surr)	101		80 - 120		11/23/20 02:22	1

Client Sample ID: GW-11122020-TB

Lab Sample ID: 410-20764-6

Date Collected: 11/12/20 00:00

Matrix: Water

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/22/20 23:43	1
Styrene	ND		5.0	0.20	ug/L			11/22/20 23:43	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/22/20 23:43	1

AMSS 12/15/2020

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Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11122020-TB

Lab Sample ID: 410-20764-6

Date Collected: 11/12/20 00:00

Matrix: Water

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/22/20 23:43	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/22/20 23:43	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/22/20 23:43	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/22/20 23:43	1
Toluene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Cyclohexane	ND		5.0	1.0	ug/L			11/22/20 23:43	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/22/20 23:43	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/22/20 23:43	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/22/20 23:43	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/22/20 23:43	1
2-Hexanone	ND		10	0.30	ug/L			11/22/20 23:43	1
Acetone	ND		20	0.70	ug/L			11/22/20 23:43	1
Chloroform	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Benzene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/22/20 23:43	1
Bromomethane	ND		1.0	0.30	ug/L			11/22/20 23:43	1
Chloromethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/22/20 23:43	1
Chloroethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/22/20 23:43	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/22/20 23:43	1
Bromoform	ND		4.0	1.0	ug/L			11/22/20 23:43	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Freon 113	ND		10	0.20	ug/L			11/22/20 23:43	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
2-Butanone	ND		10	0.30	ug/L			11/22/20 23:43	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Trichloroethene	ND		1.0	0.20	ug/L			11/22/20 23:43	1
Methyl acetate	ND		5.0	0.30	ug/L			11/22/20 23:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/22/20 23:43	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/22/20 23:43	1
o-Xylene	ND		1.0	0.40	ug/L			11/22/20 23:43	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/22/20 23:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/22/20 23:43	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/22/20 23:43	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/22/20 23:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		11/22/20 23:43	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11122020-TB

Lab Sample ID: 410-20764-6

Date Collected: 11/12/20 00:00

Matrix: Water

Date Received: 11/13/20 10:37

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		80 - 120		11/22/20 23:43	1
Dibromofluoromethane (Surr)	97		80 - 120		11/22/20 23:43	1
Toluene-d8 (Surr)	100		80 - 120		11/22/20 23:43	1

Client Sample ID: MW-B-OMW-216-11112020

Lab Sample ID: 410-20780-1

Date Collected: 11/11/20 10:15

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 14:53	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 14:53	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 14:53	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 14:53	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 14:53	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
1,2-Dichloroethane	0.36	J	1.0	0.30	ug/L			11/20/20 14:53	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 14:53	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 14:53	1
Toluene	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Chlorobenzene	2.8		1.0	0.20	ug/L			11/20/20 14:53	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 14:53	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 14:53	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 14:53	1
cis-1,2-Dichloroethene	1.4		1.0	0.20	ug/L			11/20/20 14:53	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 14:53	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 14:53	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 14:53	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 14:53	1
Acetone	ND		20	0.70	ug/L			11/20/20 14:53	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Benzene	0.42	J	1.0	0.20	ug/L			11/20/20 14:53	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 14:53	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 14:53	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 14:53	1
Chloroethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 14:53	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 14:53	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 14:53	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Freon 113	ND		10	0.20	ug/L			11/20/20 14:53	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-216-11112020

Lab Sample ID: 410-20780-1

Date Collected: 11/11/20 10:15

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 14:53	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
Trichloroethene	0.82	J	1.0	0.20	ug/L			11/20/20 14:53	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 14:53	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 14:53	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 14:53	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 14:53	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 14:53	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 14:53	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 14:53	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		11/20/20 14:53	1
4-Bromofluorobenzene (Surr)	100		80 - 120		11/20/20 14:53	1
Dibromofluoromethane (Surr)	98		80 - 120		11/20/20 14:53	1
Toluene-d8 (Surr)	101		80 - 120		11/20/20 14:53	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.1		0.31	0.10	ug/L		11/18/20 18:40	11/30/20 19:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	60		10 - 122	11/18/20 18:40	11/30/20 19:41	1
1-Methylnaphthalene-d10 (Surr)	76		49 - 115	11/18/20 18:40	11/30/20 19:41	1
Fluoranthene-d10 (Surr)	99		65 - 129	11/18/20 18:40	11/30/20 19:41	1

Client Sample ID: MW-B-OMW-214-11112020

Lab Sample ID: 410-20780-2

Date Collected: 11/11/20 11:40

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 15:16	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 15:16	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 15:16	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 15:16	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 15:16	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/20/20 15:16	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 15:16	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 15:16	1
Toluene	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Chlorobenzene	0.27	J	1.0	0.20	ug/L			11/20/20 15:16	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 15:16	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 15:16	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 15:16	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 15:16	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 15:16	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-214-11112020

Lab Sample ID: 410-20780-2

Date Collected: 11/11/20 11:40

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 15:16	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 15:16	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 15:16	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 15:16	1
Acetone	0.78	J	20	0.70	ug/L			11/20/20 15:16	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Benzene	ND		1.0	0.20	ug/L			11/20/20 15:16	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 15:16	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 15:16	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 15:16	1
Chloroethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 15:16	1
Carbon disulfide	0.53	J J	5.0	0.20	ug/L			11/20/20 15:16	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 15:16	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Freon 113	ND		10	0.20	ug/L			11/20/20 15:16	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 15:16	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Trichloroethene	ND		1.0	0.20	ug/L			11/20/20 15:16	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 15:16	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 15:16	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 15:16	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 15:16	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 15:16	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 15:16	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 15:16	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 15:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/20/20 15:16	1
4-Bromofluorobenzene (Surr)	100		80 - 120		11/20/20 15:16	1
Dibromofluoromethane (Surr)	100		80 - 120		11/20/20 15:16	1
Toluene-d8 (Surr)	101		80 - 120		11/20/20 15:16	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.64		0.30	0.10	ug/L		11/18/20 18:40	11/30/20 20:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	75		10 - 122	11/18/20 18:40	11/30/20 20:12	1
1-Methylnaphthalene-d10 (Surr)	66		49 - 115	11/18/20 18:40	11/30/20 20:12	1
Fluoranthene-d10 (Surr)	81		65 - 129	11/18/20 18:40	11/30/20 20:12	1

AMSS 12/15/2020

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-3B-11112020

Lab Sample ID: 410-20780-3

Date Collected: 11/11/20 13:25

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 15:39	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 15:39	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 15:39	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 15:39	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 15:39	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/20/20 15:39	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 15:39	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 15:39	1
Toluene	0.48	J	1.0	0.20	ug/L			11/20/20 15:39	1
Chlorobenzene	0.24	J	1.0	0.20	ug/L			11/20/20 15:39	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 15:39	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 15:39	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 15:39	1
cis-1,2-Dichloroethene	0.50	J	1.0	0.20	ug/L			11/20/20 15:39	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 15:39	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 15:39	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 15:39	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 15:39	1
Acetone	ND		20	0.70	ug/L			11/20/20 15:39	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Benzene	5.4		1.0	0.20	ug/L			11/20/20 15:39	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 15:39	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 15:39	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 15:39	1
Chloroethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 15:39	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 15:39	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 15:39	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Freon 113	ND		10	0.20	ug/L			11/20/20 15:39	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 15:39	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
Trichloroethene	0.47	J	1.0	0.20	ug/L			11/20/20 15:39	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 15:39	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 15:39	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 15:39	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 15:39	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 15:39	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 15:39	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-3B-11112020

Lab Sample ID: 410-20780-3

Date Collected: 11/11/20 13:25

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 15:39	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 15:39	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120					11/20/20 15:39	1
4-Bromofluorobenzene (Surr)	98		80 - 120					11/20/20 15:39	1
Dibromofluoromethane (Surr)	100		80 - 120					11/20/20 15:39	1
Toluene-d8 (Surr)	99		80 - 120					11/20/20 15:39	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.1		0.29	0.095	ug/L		11/18/20 18:40	11/30/20 20:43	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	90		10 - 122				11/18/20 18:40	11/30/20 20:43	1
1-Methylnaphthalene-d10 (Surr)	81		49 - 115				11/18/20 18:40	11/30/20 20:43	1
Fluoranthene-d10 (Surr)	77		65 - 129				11/18/20 18:40	11/30/20 20:43	1

Client Sample ID: MW-B-EPA-3C-11112020

Lab Sample ID: 410-20780-4

Date Collected: 11/11/20 13:30

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 16:01	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 16:01	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 16:01	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 16:01	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 16:01	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
1,2-Dichloroethane	0.30	J	1.0	0.30	ug/L			11/20/20 16:01	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 16:01	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 16:01	1
Toluene	0.68	J	1.0	0.20	ug/L			11/20/20 16:01	1
Chlorobenzene	0.39	J	1.0	0.20	ug/L			11/20/20 16:01	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 16:01	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 16:01	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 16:01	1
cis-1,2-Dichloroethene	0.75	J	1.0	0.20	ug/L			11/20/20 16:01	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 16:01	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 16:01	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 16:01	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 16:01	1
Acetone	ND		20	0.70	ug/L			11/20/20 16:01	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Benzene	9.0		1.0	0.20	ug/L			11/20/20 16:01	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 16:01	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 16:01	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-3C-11112020

Lab Sample ID: 410-20780-4

Date Collected: 11/11/20 13:30

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 16:01	1
Chloroethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 16:01	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 16:01	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 16:01	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Freon 113	ND		10	0.20	ug/L			11/20/20 16:01	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 16:01	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
Trichloroethene	0.75	J	1.0	0.20	ug/L			11/20/20 16:01	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 16:01	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 16:01	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 16:01	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 16:01	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 16:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 16:01	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 16:01	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 16:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		11/20/20 16:01	1
4-Bromofluorobenzene (Surr)	100		80 - 120		11/20/20 16:01	1
Dibromofluoromethane (Surr)	99		80 - 120		11/20/20 16:01	1
Toluene-d8 (Surr)	100		80 - 120		11/20/20 16:01	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.32	0.11	ug/L		11/18/20 18:40	11/30/20 21:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	90		10 - 122	11/18/20 18:40	11/30/20 21:14	1
1-Methylnaphthalene-d10 (Surr)	86		49 - 115	11/18/20 18:40	11/30/20 21:14	1
Fluoranthene-d10 (Surr)	103		65 - 129	11/18/20 18:40	11/30/20 21:14	1

Client Sample ID: MW-B-OMW-205-11112020

Lab Sample ID: 410-20780-5

Date Collected: 11/11/20 13:50

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 16:24	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 16:24	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 16:24	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 16:24	1
1,4-Dichlorobenzene	0.27	J	5.0	0.20	ug/L			11/20/20 16:24	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-205-11112020

Lab Sample ID: 410-20780-5

Date Collected: 11/11/20 13:50

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
1,2-Dichloroethane	0.31	J	1.0	0.30	ug/L			11/20/20 16:24	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 16:24	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 16:24	1
Toluene	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Chlorobenzene	44		1.0	0.20	ug/L			11/20/20 16:24	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 16:24	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 16:24	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 16:24	1
cis-1,2-Dichloroethene	3.4		1.0	0.20	ug/L			11/20/20 16:24	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 16:24	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 16:24	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 16:24	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 16:24	1
Acetone	ND		20	0.70	ug/L			11/20/20 16:24	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Benzene	0.66	J	1.0	0.20	ug/L			11/20/20 16:24	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 16:24	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 16:24	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 16:24	1
Chloroethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Vinyl chloride	0.55	J	1.0	0.20	ug/L			11/20/20 16:24	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 16:24	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 16:24	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 16:24	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Freon 113	ND		10	0.20	ug/L			11/20/20 16:24	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 16:24	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
Trichloroethene	0.40	J	1.0	0.20	ug/L			11/20/20 16:24	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 16:24	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 16:24	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 16:24	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 16:24	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 16:24	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 16:24	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 16:24	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 16:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		11/20/20 16:24	1
4-Bromofluorobenzene (Surr)	99		80 - 120		11/20/20 16:24	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-205-11112020

Lab Sample ID: 410-20780-5

Date Collected: 11/11/20 13:50

Matrix: Groundwater

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		80 - 120		11/20/20 16:24	1
Toluene-d8 (Surr)	99		80 - 120		11/20/20 16:24	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2.8		0.28	0.094	ug/L		11/18/20 18:40	12/01/20 14:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	24		10 - 122	11/18/20 18:40	12/01/20 14:45	1
1-Methylnaphthalene-d10 (Surr)	81		49 - 115	11/18/20 18:40	12/01/20 14:45	1
Fluoranthene-d10 (Surr)	100		65 - 129	11/18/20 18:40	12/01/20 14:45	1

Client Sample ID: GW-11112020-TB

Lab Sample ID: 410-20780-6

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 13:45	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 13:45	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 13:45	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/20/20 13:45	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 13:45	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 13:45	1
Toluene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 13:45	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 13:45	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 13:45	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 13:45	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 13:45	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 13:45	1
Acetone	ND		20	0.70	ug/L			11/20/20 13:45	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Benzene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 13:45	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 13:45	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 13:45	1
Chloroethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 13:45	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 13:45	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11112020-TB

Lab Sample ID: 410-20780-6

Date Collected: 11/11/20 00:00

Matrix: Water

Date Received: 11/13/20 10:31

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	ND		4.0	1.0	ug/L			11/20/20 13:45	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Freon 113	ND		10	0.20	ug/L			11/20/20 13:45	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 13:45	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Trichloroethene	ND		1.0	0.20	ug/L			11/20/20 13:45	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 13:45	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 13:45	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 13:45	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 13:45	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 13:45	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 13:45	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 13:45	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 13:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		11/20/20 13:45	1
4-Bromofluorobenzene (Surr)	100		80 - 120		11/20/20 13:45	1
Dibromofluoromethane (Surr)	100		80 - 120		11/20/20 13:45	1
Toluene-d8 (Surr)	101		80 - 120		11/20/20 13:45	1

Client Sample ID: MW-B-OMW-222-11132020

Lab Sample ID: 410-20957-1

Date Collected: 11/13/20 11:10

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 17:10	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 17:10	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:10	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/20/20 17:10	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 17:10	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 17:10	1
Toluene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 17:10	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 17:10	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 17:10	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-222-11132020

Lab Sample ID: 410-20957-1

Date Collected: 11/13/20 11:10

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:10	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 17:10	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 17:10	1
Acetone	ND		20	0.70	ug/L			11/20/20 17:10	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Benzene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 17:10	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 17:10	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 17:10	1
Chloroethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 17:10	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 17:10	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 17:10	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Freon 113	ND		10	0.20	ug/L			11/20/20 17:10	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 17:10	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Trichloroethene	ND		1.0	0.20	ug/L			11/20/20 17:10	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 17:10	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 17:10	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 17:10	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 17:10	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:10	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 17:10	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 17:10	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		11/20/20 17:10	1
4-Bromofluorobenzene (Surr)	100		80 - 120		11/20/20 17:10	1
Dibromofluoromethane (Surr)	98		80 - 120		11/20/20 17:10	1
Toluene-d8 (Surr)	99		80 - 120		11/20/20 17:10	1

Client Sample ID: MW-B-OMW-223-11132020

Lab Sample ID: 410-20957-2

Date Collected: 11/13/20 13:00

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 17:32	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 17:32	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 17:32	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-223-11132020

Lab Sample ID: 410-20957-2

Date Collected: 11/13/20 13:00

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:32	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/20/20 17:32	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 17:32	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 17:32	1
Toluene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 17:32	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 17:32	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 17:32	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:32	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 17:32	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 17:32	1
Acetone	ND		20	0.70	ug/L			11/20/20 17:32	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Benzene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 17:32	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 17:32	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 17:32	1
Chloroethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 17:32	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 17:32	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 17:32	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Freon 113	ND		10	0.20	ug/L			11/20/20 17:32	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 17:32	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Trichloroethene	ND		1.0	0.20	ug/L			11/20/20 17:32	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 17:32	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 17:32	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 17:32	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 17:32	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 17:32	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 17:32	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		11/20/20 17:32	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-223-11132020

Lab Sample ID: 410-20957-2

Date Collected: 11/13/20 13:00

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		80 - 120		11/20/20 17:32	1
Dibromofluoromethane (Surr)	99		80 - 120		11/20/20 17:32	1
Toluene-d8 (Surr)	100		80 - 120		11/20/20 17:32	1

Client Sample ID: MW-B-EPA-1A-11132020

Lab Sample ID: 410-20957-3

Date Collected: 11/13/20 14:55

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 17:55	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 17:55	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 17:55	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 17:55	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:55	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 17:55	1
1,2-Dichloroethane	22		1.0	0.30	ug/L			11/20/20 17:55	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 17:55	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 17:55	1
Toluene	1.5		1.0	0.20	ug/L			11/20/20 17:55	1
Chlorobenzene	14		1.0	0.20	ug/L			11/20/20 17:55	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 17:55	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 17:55	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 17:55	1
Tetrachloroethene	3.6		1.0	0.20	ug/L			11/20/20 17:55	1
trans-1,2-Dichloroethene	0.85 J		1.0	0.20	ug/L			11/20/20 17:55	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 17:55	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:55	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 17:55	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 17:55	1
Acetone	0.84 J		20	0.70	ug/L			11/20/20 17:55	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 17:55	1
Benzene	8.5		1.0	0.20	ug/L			11/20/20 17:55	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 17:55	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 17:55	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 17:55	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 17:55	1
Chloroethane	1.7		1.0	0.20	ug/L			11/20/20 17:55	1
Vinyl chloride	1.2		1.0	0.20	ug/L			11/20/20 17:55	1
Methylene Chloride	0.94 J J		1.0	0.30	ug/L			11/20/20 17:55	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 17:55	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 17:55	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 17:55	1
1,1-Dichloroethane	10		1.0	0.20	ug/L			11/20/20 17:55	1
1,1-Dichloroethene	7.7		1.0	0.20	ug/L			11/20/20 17:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 17:55	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 17:55	1
Freon 113	ND		10	0.20	ug/L			11/20/20 17:55	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 17:55	1

AMSS 12/15/2020

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-1A-11132020

Lab Sample ID: 410-20957-3

Date Collected: 11/13/20 14:55

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	3.5	J	10	0.30	ug/L			11/20/20 17:55	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 17:55	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 17:55	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 17:55	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 17:55	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 17:55	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 17:55	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 17:55	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 17:55	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		11/20/20 17:55	1
4-Bromofluorobenzene (Surr)	101		80 - 120		11/20/20 17:55	1
Dibromofluoromethane (Surr)	99		80 - 120		11/20/20 17:55	1
Toluene-d8 (Surr)	100		80 - 120		11/20/20 17:55	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	300		10	2.0	ug/L			11/20/20 18:18	10
Trichloroethene	1800		10	2.0	ug/L			11/20/20 18:18	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		11/20/20 18:18	10
4-Bromofluorobenzene (Surr)	100		80 - 120		11/20/20 18:18	10
Dibromofluoromethane (Surr)	97		80 - 120		11/20/20 18:18	10
Toluene-d8 (Surr)	101		80 - 120		11/20/20 18:18	10

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.48		0.30	0.10	ug/L		11/20/20 09:00	11/26/20 00:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	69		10 - 122	11/20/20 09:00	11/26/20 00:28	1
1-Methylnaphthalene-d10 (Surr)	79		49 - 115	11/20/20 09:00	11/26/20 00:28	1
Fluoranthene-d10 (Surr)	111		65 - 129	11/20/20 09:00	11/26/20 00:28	1

Client Sample ID: MW-B-EPA-1B-11132020

Lab Sample ID: 410-20957-4

Date Collected: 11/13/20 15:00

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 18:40	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 18:40	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 18:40	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 18:40	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 18:40	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
1,2-Dichloroethane	12		1.0	0.30	ug/L			11/20/20 18:40	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 18:40	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-1B-11132020

Lab Sample ID: 410-20957-4

Date Collected: 11/13/20 15:00

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 18:40	1
Toluene	1.6		1.0	0.20	ug/L			11/20/20 18:40	1
Chlorobenzene	8.6		1.0	0.20	ug/L			11/20/20 18:40	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 18:40	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 18:40	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
Tetrachloroethene	0.75	J	1.0	0.20	ug/L			11/20/20 18:40	1
trans-1,2-Dichloroethene	2.3		1.0	0.20	ug/L			11/20/20 18:40	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 18:40	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 18:40	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 18:40	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 18:40	1
Acetone	ND		20	0.70	ug/L			11/20/20 18:40	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 18:40	1
Benzene	54		1.0	0.20	ug/L			11/20/20 18:40	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 18:40	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 18:40	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 18:40	1
Chloroethane	1.3		1.0	0.20	ug/L			11/20/20 18:40	1
Vinyl chloride	1.1		1.0	0.20	ug/L			11/20/20 18:40	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 18:40	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 18:40	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 18:40	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
1,1-Dichloroethane	5.4		1.0	0.20	ug/L			11/20/20 18:40	1
1,1-Dichloroethene	6.2		1.0	0.20	ug/L			11/20/20 18:40	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
Freon 113	ND		10	0.20	ug/L			11/20/20 18:40	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 18:40	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 18:40	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 18:40	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 18:40	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 18:40	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 18:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 18:40	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 18:40	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 18:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 120		11/20/20 18:40	1
4-Bromofluorobenzene (Surr)	98		80 - 120		11/20/20 18:40	1
Dibromofluoromethane (Surr)	98		80 - 120		11/20/20 18:40	1
Toluene-d8 (Surr)	100		80 - 120		11/20/20 18:40	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-1B-11132020

Lab Sample ID: 410-20957-4

Date Collected: 11/13/20 15:00

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	720		10	2.0	ug/L			11/23/20 06:32	10
Trichloroethene	410		10	2.0	ug/L			11/23/20 06:32	10

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120					11/23/20 06:32	10
4-Bromofluorobenzene (Surr)	98		80 - 120					11/23/20 06:32	10
Dibromofluoromethane (Surr)	98		80 - 120					11/23/20 06:32	10
Toluene-d8 (Surr)	101		80 - 120					11/23/20 06:32	10

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.38		0.29	0.096	ug/L		11/20/20 09:00	11/26/20 00:56	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	62		10 - 122				11/20/20 09:00	11/26/20 00:56	1
1-Methylnaphthalene-d10 (Surr)	77		49 - 115				11/20/20 09:00	11/26/20 00:56	1
Fluoranthene-d10 (Surr)	104		65 - 129				11/20/20 09:00	11/26/20 00:56	1

Client Sample ID: MW-B-EPA-1C-11132020

Lab Sample ID: 410-20957-5

Date Collected: 11/13/20 15:05

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/20/20 19:03	1
Styrene	ND		5.0	0.20	ug/L			11/20/20 19:03	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 19:03	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/20/20 19:03	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 19:03	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
1,2-Dichloroethane	9.7		1.0	0.30	ug/L			11/20/20 19:03	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/20/20 19:03	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/20/20 19:03	1
Toluene	2.4		1.0	0.20	ug/L			11/20/20 19:03	1
Chlorobenzene	6.4		1.0	0.20	ug/L			11/20/20 19:03	1
Cyclohexane	ND		5.0	1.0	ug/L			11/20/20 19:03	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/20/20 19:03	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/20/20 19:03	1
trans-1,2-Dichloroethene	2.3		1.0	0.20	ug/L			11/20/20 19:03	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/20/20 19:03	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 19:03	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/20/20 19:03	1
2-Hexanone	ND		10	0.30	ug/L			11/20/20 19:03	1
Acetone	ND		20	0.70	ug/L			11/20/20 19:03	1
Chloroform	ND		1.0	0.20	ug/L			11/20/20 19:03	1
Benzene	42		1.0	0.20	ug/L			11/20/20 19:03	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/20/20 19:03	1
Bromomethane	ND		1.0	0.30	ug/L			11/20/20 19:03	1
Chloromethane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/20/20 19:03	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-1C-11132020

Lab Sample ID: 410-20957-5

Date Collected: 11/13/20 15:05

Matrix: Groundwater

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.0		1.0	0.20	ug/L			11/20/20 19:03	1
Vinyl chloride	0.94	J	1.0	0.20	ug/L			11/20/20 19:03	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/20/20 19:03	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/20/20 19:03	1
Bromoform	ND		4.0	1.0	ug/L			11/20/20 19:03	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
1,1-Dichloroethane	3.6		1.0	0.20	ug/L			11/20/20 19:03	1
1,1-Dichloroethene	5.7		1.0	0.20	ug/L			11/20/20 19:03	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
Freon 113	ND		10	0.20	ug/L			11/20/20 19:03	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
2-Butanone	ND		10	0.30	ug/L			11/20/20 19:03	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
Trichloroethene	210		1.0	0.20	ug/L			11/20/20 19:03	1
Methyl acetate	ND		5.0	0.30	ug/L			11/20/20 19:03	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/20/20 19:03	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/20/20 19:03	1
o-Xylene	ND		1.0	0.40	ug/L			11/20/20 19:03	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/20/20 19:03	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/20/20 19:03	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/20/20 19:03	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/20/20 19:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 120		11/20/20 19:03	1
4-Bromofluorobenzene (Surr)	97		80 - 120		11/20/20 19:03	1
Dibromofluoromethane (Surr)	97		80 - 120		11/20/20 19:03	1
Toluene-d8 (Surr)	100		80 - 120		11/20/20 19:03	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	830		10	2.0	ug/L			11/23/20 06:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		11/23/20 06:09	10
4-Bromofluorobenzene (Surr)	99		80 - 120		11/23/20 06:09	10
Dibromofluoromethane (Surr)	100		80 - 120		11/23/20 06:09	10
Toluene-d8 (Surr)	100		80 - 120		11/23/20 06:09	10

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0		0.30	0.10	ug/L		11/20/20 09:00	11/26/20 01:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	80		10 - 122	11/20/20 09:00	11/26/20 01:24	1
1-Methylnaphthalene-d10 (Surr)	83		49 - 115	11/20/20 09:00	11/26/20 01:24	1
Fluoranthene-d10 (Surr)	105		65 - 129	11/20/20 09:00	11/26/20 01:24	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11132020-TB

Lab Sample ID: 410-20957-6

Date Collected: 11/13/20 00:00

Matrix: Water

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/22/20 22:57	1
Styrene	ND		5.0	0.20	ug/L			11/22/20 22:57	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/22/20 22:57	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/22/20 22:57	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/22/20 22:57	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/22/20 22:57	1
Toluene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Cyclohexane	ND		5.0	1.0	ug/L			11/22/20 22:57	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/22/20 22:57	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/22/20 22:57	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/22/20 22:57	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/22/20 22:57	1
2-Hexanone	ND		10	0.30	ug/L			11/22/20 22:57	1
Acetone	ND		20	0.70	ug/L			11/22/20 22:57	1
Chloroform	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Benzene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/22/20 22:57	1
Bromomethane	ND		1.0	0.30	ug/L			11/22/20 22:57	1
Chloromethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/22/20 22:57	1
Chloroethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/22/20 22:57	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/22/20 22:57	1
Bromoform	ND		4.0	1.0	ug/L			11/22/20 22:57	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Freon 113	ND		10	0.20	ug/L			11/22/20 22:57	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
2-Butanone	ND		10	0.30	ug/L			11/22/20 22:57	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Trichloroethene	ND		1.0	0.20	ug/L			11/22/20 22:57	1
Methyl acetate	ND		5.0	0.30	ug/L			11/22/20 22:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/22/20 22:57	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/22/20 22:57	1
o-Xylene	ND		1.0	0.40	ug/L			11/22/20 22:57	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/22/20 22:57	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/22/20 22:57	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11132020-TB

Lab Sample ID: 410-20957-6

Date Collected: 11/13/20 00:00

Matrix: Water

Date Received: 11/14/20 10:02

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		5.0	0.20	ug/L			11/22/20 22:57	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/22/20 22:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120					11/22/20 22:57	1
4-Bromofluorobenzene (Surr)	100		80 - 120					11/22/20 22:57	1
Dibromofluoromethane (Surr)	97		80 - 120					11/22/20 22:57	1
Toluene-d8 (Surr)	101		80 - 120					11/22/20 22:57	1

Client Sample ID: MW-B-OMW-218-11162020

Lab Sample ID: 410-21151-1

Date Collected: 11/16/20 11:00

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 18:15	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 18:15	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:15	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/23/20 18:15	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 18:15	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 18:15	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 18:15	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 18:15	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 18:15	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:15	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 18:15	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 18:15	1
Acetone	ND		20	0.70	ug/L			11/23/20 18:15	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Benzene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 18:15	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 18:15	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 18:15	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 18:15	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 18:15	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 18:15	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-218-11162020

Lab Sample ID: 410-21151-1

Date Collected: 11/16/20 11:00

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Freon 113	ND		10	0.20	ug/L			11/23/20 18:15	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
2-Butanone	ND		10	0.30	ug/L			11/23/20 18:15	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Trichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:15	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 18:15	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 18:15	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 18:15	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 18:15	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 18:15	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 18:15	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/23/20 18:15	1
4-Bromofluorobenzene (Surr)	92		80 - 120		11/23/20 18:15	1
Dibromofluoromethane (Surr)	101		80 - 120		11/23/20 18:15	1
Toluene-d8 (Surr)	100		80 - 120		11/23/20 18:15	1

Client Sample ID: MW-B-OMW-219-11162020

Lab Sample ID: 410-21151-2

Date Collected: 11/16/20 12:55

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	1.1		1.0	0.40	ug/L			11/23/20 18:37	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 18:37	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 18:37	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 18:37	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:37	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
1,2-Dichloroethane	12		1.0	0.30	ug/L			11/23/20 18:37	1
4-Methyl-2-pentanone	2.8 J		10	0.50	ug/L			11/23/20 18:37	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 18:37	1
Toluene	140		1.0	0.20	ug/L			11/23/20 18:37	1
Chlorobenzene	22		1.0	0.20	ug/L			11/23/20 18:37	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 18:37	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 18:37	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 18:37	1
cis-1,2-Dichloroethene	1.9		1.0	0.20	ug/L			11/23/20 18:37	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:37	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 18:37	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:37	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 18:37	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 18:37	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-219-11162020

Lab Sample ID: 410-21151-2

Date Collected: 11/16/20 12:55

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	66		20	0.70	ug/L			11/23/20 18:37	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 18:37	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 18:37	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 18:37	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 18:37	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
Vinyl chloride	0.50	J	1.0	0.20	ug/L			11/23/20 18:37	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 18:37	1
Carbon disulfide	0.27	J	5.0	0.20	ug/L			11/23/20 18:37	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 18:37	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
1,1-Dichloroethane	1.0		1.0	0.20	ug/L			11/23/20 18:37	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:37	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
Freon 113	ND		10	0.20	ug/L			11/23/20 18:37	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
2-Butanone	3.0	J	10	0.30	ug/L			11/23/20 18:37	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
Trichloroethene	0.85	J	1.0	0.20	ug/L			11/23/20 18:37	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 18:37	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 18:37	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 18:37	1
o-Xylene	1.1		1.0	0.40	ug/L			11/23/20 18:37	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:37	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 18:37	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 18:37	1
m&p-Xylene	2.9	J	5.0	1.0	ug/L			11/23/20 18:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		80 - 120		11/23/20 18:37	1
4-Bromofluorobenzene (Surr)	93		80 - 120		11/23/20 18:37	1
Dibromofluoromethane (Surr)	99		80 - 120		11/23/20 18:37	1
Toluene-d8 (Surr)	101		80 - 120		11/23/20 18:37	1

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	460		10	2.0	ug/L			11/24/20 20:09	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/24/20 20:09	10
4-Bromofluorobenzene (Surr)	92		80 - 120		11/24/20 20:09	10
Dibromofluoromethane (Surr)	101		80 - 120		11/24/20 20:09	10
Toluene-d8 (Surr)	101		80 - 120		11/24/20 20:09	10

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	31		2.8	0.95	ug/L		11/23/20 10:12	12/03/20 12:04	10

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-219-11162020

Lab Sample ID: 410-21151-2

Date Collected: 11/16/20 12:55

Matrix: Groundwater

Date Received: 11/17/20 11:38

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	68		10 - 122	11/23/20 10:12	12/03/20 12:04	10
1-Methylnaphthalene-d10 (Surr)	85		49 - 115	11/23/20 10:12	12/03/20 12:04	10
Fluoranthene-d10 (Surr)	77		65 - 129	11/23/20 10:12	12/03/20 12:04	10

Client Sample ID: MW-B-OMW-221-11162020

Lab Sample ID: 410-21151-3

Date Collected: 11/16/20 15:30

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 18:59	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 18:59	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:59	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/23/20 18:59	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 18:59	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 18:59	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 18:59	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 18:59	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 18:59	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:59	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 18:59	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 18:59	1
Acetone	ND		20	0.70	ug/L			11/23/20 18:59	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Benzene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 18:59	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 18:59	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 18:59	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 18:59	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 18:59	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 18:59	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Freon 113	ND		10	0.20	ug/L			11/23/20 18:59	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 18:59	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-221-11162020

Lab Sample ID: 410-21151-3

Date Collected: 11/16/20 15:30

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone	ND		10	0.30	ug/L			11/23/20 18:59	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
Trichloroethene	1.3		1.0	0.20	ug/L			11/23/20 18:59	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 18:59	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 18:59	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 18:59	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 18:59	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 18:59	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 18:59	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 18:59	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 18:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 120		11/23/20 18:59	1
4-Bromofluorobenzene (Surr)	92		80 - 120		11/23/20 18:59	1
Dibromofluoromethane (Surr)	101		80 - 120		11/23/20 18:59	1
Toluene-d8 (Surr)	99		80 - 120		11/23/20 18:59	1

Client Sample ID: MW-B-EPA-2A-11162020

Lab Sample ID: 410-21151-4

Date Collected: 11/16/20 15:30

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 19:21	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 19:21	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 19:21	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 19:21	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 19:21	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/23/20 19:21	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 19:21	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 19:21	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 19:21	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 19:21	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 19:21	1
cis-1,2-Dichloroethene	4.5		1.0	0.20	ug/L			11/23/20 19:21	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 19:21	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 19:21	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 19:21	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 19:21	1
Acetone	ND		20	0.70	ug/L			11/23/20 19:21	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Benzene	0.36 J		1.0	0.20	ug/L			11/23/20 19:21	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 19:21	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 19:21	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-2A-11162020

Lab Sample ID: 410-21151-4

Date Collected: 11/16/20 15:30

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 19:21	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 19:21	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 19:21	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 19:21	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Freon 113	ND		10	0.20	ug/L			11/23/20 19:21	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
2-Butanone	ND		10	0.30	ug/L			11/23/20 19:21	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
Trichloroethene	2.4		1.0	0.20	ug/L			11/23/20 19:21	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 19:21	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 19:21	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 19:21	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 19:21	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 19:21	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 19:21	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 19:21	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		11/23/20 19:21	1
4-Bromofluorobenzene (Surr)	92		80 - 120		11/23/20 19:21	1
Dibromofluoromethane (Surr)	101		80 - 120		11/23/20 19:21	1
Toluene-d8 (Surr)	100		80 - 120		11/23/20 19:21	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.30	0.099	ug/L		11/23/20 10:12	12/03/20 01:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	51		10 - 122	11/23/20 10:12	12/03/20 01:10	1
1-Methylnaphthalene-d10 (Surr)	66		49 - 115	11/23/20 10:12	12/03/20 01:10	1
Fluoranthene-d10 (Surr)	89		65 - 129	11/23/20 10:12	12/03/20 01:10	1

Client Sample ID: MW-B-EPA-2B-11162020

Lab Sample ID: 410-21151-5

Date Collected: 11/16/20 15:35

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 19:43	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 19:43	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 19:43	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 19:43	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-2B-11162020

Lab Sample ID: 410-21151-5

Date Collected: 11/16/20 15:35

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 19:43	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
1,2-Dichloroethane	0.64	J	1.0	0.30	ug/L			11/23/20 19:43	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 19:43	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 19:43	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 19:43	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 19:43	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 19:43	1
cis-1,2-Dichloroethene	2.9		1.0	0.20	ug/L			11/23/20 19:43	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 19:43	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 19:43	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 19:43	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 19:43	1
Acetone	ND		20	0.70	ug/L			11/23/20 19:43	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Benzene	1.1		1.0	0.20	ug/L			11/23/20 19:43	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 19:43	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 19:43	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 19:43	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 19:43	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 19:43	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 19:43	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Freon 113	ND		10	0.20	ug/L			11/23/20 19:43	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
2-Butanone	ND		10	0.30	ug/L			11/23/20 19:43	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
Trichloroethene	36		1.0	0.20	ug/L			11/23/20 19:43	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 19:43	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 19:43	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 19:43	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 19:43	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 19:43	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 19:43	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 19:43	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 19:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120		11/23/20 19:43	1

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-2B-11162020

Lab Sample ID: 410-21151-5

Date Collected: 11/16/20 15:35

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		80 - 120		11/23/20 19:43	1
Dibromofluoromethane (Surr)	101		80 - 120		11/23/20 19:43	1
Toluene-d8 (Surr)	101		80 - 120		11/23/20 19:43	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	ND		0.29	0.098	ug/L		11/23/20 10:12	12/03/20 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	52		10 - 122	11/23/20 10:12	12/03/20 01:38	1
1-Methylnaphthalene-d10 (Surr)	69		49 - 115	11/23/20 10:12	12/03/20 01:38	1
Fluoranthene-d10 (Surr)	76		65 - 129	11/23/20 10:12	12/03/20 01:38	1

Client Sample ID: MW-B-EPA-2C-11162020

Lab Sample ID: 410-21151-6

Date Collected: 11/16/20 15:40

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 20:05	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 20:05	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 20:05	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 20:05	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 20:05	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
1,2-Dichloroethane	2.9		1.0	0.30	ug/L			11/23/20 20:05	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 20:05	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 20:05	1
Toluene	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Chlorobenzene	1.3		1.0	0.20	ug/L			11/23/20 20:05	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 20:05	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 20:05	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Tetrachloroethene	0.30 J		1.0	0.20	ug/L			11/23/20 20:05	1
cis-1,2-Dichloroethene	46		1.0	0.20	ug/L			11/23/20 20:05	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 20:05	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 20:05	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 20:05	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 20:05	1
Acetone	ND		20	0.70	ug/L			11/23/20 20:05	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Benzene	13		1.0	0.20	ug/L			11/23/20 20:05	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 20:05	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 20:05	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 20:05	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Vinyl chloride	0.20 J		1.0	0.20	ug/L			11/23/20 20:05	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 20:05	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-EPA-2C-11162020

Lab Sample ID: 410-21151-6

Date Collected: 11/16/20 15:40

Matrix: Groundwater

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 20:05	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 20:05	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
1,1-Dichloroethane	1.3		1.0	0.20	ug/L			11/23/20 20:05	1
1,1-Dichloroethene	0.71	J	1.0	0.20	ug/L			11/23/20 20:05	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Freon 113	ND		10	0.20	ug/L			11/23/20 20:05	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
2-Butanone	0.62	J	10	0.30	ug/L			11/23/20 20:05	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
Trichloroethene	150		1.0	0.20	ug/L			11/23/20 20:05	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 20:05	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 20:05	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 20:05	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 20:05	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 20:05	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 20:05	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 20:05	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 20:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 120		11/23/20 20:05	1
4-Bromofluorobenzene (Surr)	92		80 - 120		11/23/20 20:05	1
Dibromofluoromethane (Surr)	101		80 - 120		11/23/20 20:05	1
Toluene-d8 (Surr)	101		80 - 120		11/23/20 20:05	1

Method: 8270D SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.32		0.29	0.098	ug/L		11/23/20 10:12	12/03/20 02:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Benzo(a)pyrene-d12 (Surr)	67		10 - 122	11/23/20 10:12	12/03/20 02:06	1
1-Methylnaphthalene-d10 (Surr)	70		49 - 115	11/23/20 10:12	12/03/20 02:06	1
Fluoranthene-d10 (Surr)	90		65 - 129	11/23/20 10:12	12/03/20 02:06	1

Client Sample ID: GW-11162020-TB

Lab Sample ID: 410-21151-7

Date Collected: 11/16/20 00:00

Matrix: Water

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/23/20 14:11	1
Styrene	ND		5.0	0.20	ug/L			11/23/20 14:11	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 14:11	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/23/20 14:11	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/23/20 14:11	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/23/20 14:11	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11162020-TB

Lab Sample ID: 410-21151-7

Date Collected: 11/16/20 00:00

Matrix: Water

Date Received: 11/17/20 11:38

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Cyclohexane	ND		5.0	1.0	ug/L			11/23/20 14:11	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/23/20 14:11	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/23/20 14:11	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 14:11	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/23/20 14:11	1
2-Hexanone	ND		10	0.30	ug/L			11/23/20 14:11	1
Acetone	ND		20	0.70	ug/L			11/23/20 14:11	1
Chloroform	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Benzene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/23/20 14:11	1
Bromomethane	ND		1.0	0.30	ug/L			11/23/20 14:11	1
Chloromethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/23/20 14:11	1
Chloroethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/23/20 14:11	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/23/20 14:11	1
Bromoform	ND		4.0	1.0	ug/L			11/23/20 14:11	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Freon 113	ND		10	0.20	ug/L			11/23/20 14:11	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
2-Butanone	ND		10	0.30	ug/L			11/23/20 14:11	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Trichloroethene	ND		1.0	0.20	ug/L			11/23/20 14:11	1
Methyl acetate	ND		5.0	0.30	ug/L			11/23/20 14:11	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/23/20 14:11	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/23/20 14:11	1
o-Xylene	ND		1.0	0.40	ug/L			11/23/20 14:11	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/23/20 14:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/23/20 14:11	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/23/20 14:11	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/23/20 14:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		80 - 120					11/23/20 14:11	1
4-Bromofluorobenzene (Surr)	91		80 - 120					11/23/20 14:11	1
Dibromofluoromethane (Surr)	102		80 - 120					11/23/20 14:11	1
Toluene-d8 (Surr)	100		80 - 120					11/23/20 14:11	1

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11172020-TB

Lab Sample ID: 410-21275-4

Date Collected: 11/17/20 00:00

Matrix: Water

Date Received: 11/18/20 11:42

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/28/20 13:49	1
Dichlorodifluoromethane	ND	*	1.0	0.20	ug/L			11/28/20 13:49	1
Freon 113	ND		10	0.20	ug/L			11/28/20 13:49	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/28/20 13:49	1
2-Butanone	ND		10	0.30	ug/L			11/28/20 13:49	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/28/20 13:49	1
Trichloroethene	ND		1.0	0.20	ug/L			11/28/20 13:49	1
Methyl acetate	ND		5.0	0.30	ug/L			11/28/20 13:49	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/28/20 13:49	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/28/20 13:49	1
o-Xylene	ND		1.0	0.40	ug/L			11/28/20 13:49	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/28/20 13:49	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/28/20 13:49	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/28/20 13:49	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/28/20 13:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		80 - 120					11/28/20 13:49	1
4-Bromofluorobenzene (Surr)	93		80 - 120					11/28/20 13:49	1
Dibromofluoromethane (Surr)	100		80 - 120					11/28/20 13:49	1
Toluene-d8 (Surr)	96		80 - 120					11/28/20 13:49	1

Client Sample ID: MW-B-OMW-103-11182020

Lab Sample ID: 410-21453-1

Date Collected: 11/18/20 11:50

Matrix: Groundwater

Date Received: 11/19/20 11:21

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/30/20 17:20	1
Styrene	ND		5.0	0.20	ug/L			11/30/20 17:20	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/30/20 17:20	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/30/20 17:20	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/30/20 17:20	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/30/20 17:20	1
Toluene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Cyclohexane	ND		5.0	1.0	ug/L			11/30/20 17:20	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/30/20 17:20	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/30/20 17:20	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/30/20 17:20	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/30/20 17:20	1
2-Hexanone	ND		10	0.30	ug/L			11/30/20 17:20	1
Acetone	ND		20	0.70	ug/L			11/30/20 17:20	1

SET 2/8/2021

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-OMW-103-11182020

Lab Sample ID: 410-21453-1

Date Collected: 11/18/20 11:50

Matrix: Groundwater

Date Received: 11/19/20 11:21

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Benzene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/30/20 17:20	1
Bromomethane	ND		1.0	0.30	ug/L			11/30/20 17:20	1
Chloromethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/30/20 17:20	1
Chloroethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/30/20 17:20	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/30/20 17:20	1
Bromoform	ND		4.0	1.0	ug/L			11/30/20 17:20	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Freon 113	ND		10	0.20	ug/L			11/30/20 17:20	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
2-Butanone	ND		10	0.30	ug/L			11/30/20 17:20	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Trichloroethene	ND		1.0	0.20	ug/L			11/30/20 17:20	1
Methyl acetate	ND		5.0	0.30	ug/L			11/30/20 17:20	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/30/20 17:20	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/30/20 17:20	1
o-Xylene	ND		1.0	0.40	ug/L			11/30/20 17:20	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/30/20 17:20	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/30/20 17:20	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/30/20 17:20	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/30/20 17:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		11/30/20 17:20	1
4-Bromofluorobenzene (Surr)	98		80 - 120		11/30/20 17:20	1
Dibromofluoromethane (Surr)	100		80 - 120		11/30/20 17:20	1
Toluene-d8 (Surr)	101		80 - 120		11/30/20 17:20	1

Client Sample ID: MW-B-DB-11-11182020

Lab Sample ID: 410-21453-2

Date Collected: 11/18/20 13:55

Matrix: Groundwater

Date Received: 11/19/20 11:21

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	2200		100	40	ug/L			11/30/20 17:43	100
Styrene	ND		500	20	ug/L			11/30/20 17:43	100
cis-1,3-Dichloropropene	ND		100	20	ug/L			11/30/20 17:43	100
trans-1,3-Dichloropropene	ND		100	20	ug/L			11/30/20 17:43	100
1,4-Dichlorobenzene	120	J	500	20	ug/L			11/30/20 17:43	100
1,2-Dibromoethane	ND		100	20	ug/L			11/30/20 17:43	100
1,2-Dichloroethane	7200		100	30	ug/L			11/30/20 17:43	100
4-Methyl-2-pentanone	880	J	1000	50	ug/L			11/30/20 17:43	100

SET 2/8/2021

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: MW-B-DBH-02D-11182020

Lab Sample ID: 410-21453-5

Date Collected: 11/18/20 15:55

Matrix: Groundwater

Date Received: 11/19/20 11:21

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		20	4.0	ug/L			11/30/20 20:00	20
2-Butanone	ND		200	6.0	ug/L			11/30/20 20:00	20
1,1,2-Trichloroethane	ND		20	4.0	ug/L			11/30/20 20:00	20
Methyl acetate	ND		100	6.0	ug/L			11/30/20 20:00	20
1,1,2,2-Tetrachloroethane	ND		20	4.0	ug/L			11/30/20 20:00	20
1,2,3-Trichlorobenzene	19	J	100	8.0	ug/L			11/30/20 20:00	20
o-Xylene	69		20	8.0	ug/L			11/30/20 20:00	20
1,2-Dichlorobenzene	7.5	J	100	4.0	ug/L			11/30/20 20:00	20
1,2-Dibromo-3-Chloropropane	ND		100	6.0	ug/L			11/30/20 20:00	20
Isopropylbenzene	ND		100	4.0	ug/L			11/30/20 20:00	20
m&p-Xylene	23	J	100	20	ug/L			11/30/20 20:00	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		80 - 120		11/30/20 20:00	20
4-Bromofluorobenzene (Surr)	99		80 - 120		11/30/20 20:00	20
Dibromofluoromethane (Surr)	100		80 - 120		11/30/20 20:00	20
Toluene-d8 (Surr)	101		80 - 120		11/30/20 20:00	20

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	18000		200	40	ug/L			12/01/20 13:12	200

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		12/01/20 13:12	200
4-Bromofluorobenzene (Surr)	99		80 - 120		12/01/20 13:12	200
Dibromofluoromethane (Surr)	98		80 - 120		12/01/20 13:12	200
Toluene-d8 (Surr)	100		80 - 120		12/01/20 13:12	200

Client Sample ID: GW-11182020-TB

Lab Sample ID: 410-21453-6

Date Collected: 11/18/20 00:00

Matrix: Water

Date Received: 11/19/20 11:21

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		1.0	0.40	ug/L			11/30/20 11:58	1
Styrene	ND		5.0	0.20	ug/L			11/30/20 11:58	1
cis-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
trans-1,3-Dichloropropene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
1,4-Dichlorobenzene	ND		5.0	0.20	ug/L			11/30/20 11:58	1
1,2-Dibromoethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
1,2-Dichloroethane	ND		1.0	0.30	ug/L			11/30/20 11:58	1
4-Methyl-2-pentanone	ND		10	0.50	ug/L			11/30/20 11:58	1
Methylcyclohexane	ND		5.0	0.50	ug/L			11/30/20 11:58	1
Toluene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Chlorobenzene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Cyclohexane	ND		5.0	1.0	ug/L			11/30/20 11:58	1
1,2,4-Trichlorobenzene	ND		5.0	0.30	ug/L			11/30/20 11:58	1
Dibromochloromethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Tetrachloroethene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
cis-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/30/20 11:58	1

SET 2/8/2021

Eurofins Lancaster Laboratories Env, LLC

Client Sample Results

Client: O'Brien & Gere Inc of North America
Project/Site: GE - Dewey Loeffel Landfill

Job ID: 410-20426-1

Client Sample ID: GW-11182020-TB

Lab Sample ID: 410-21453-6

Date Collected: 11/18/20 00:00

Matrix: Water

Date Received: 11/19/20 11:21

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	ND		1.0	0.20	ug/L			11/30/20 11:58	1
1,3-Dichlorobenzene	ND		5.0	0.20	ug/L			11/30/20 11:58	1
Carbon tetrachloride	ND		1.0	0.20	ug/L			11/30/20 11:58	1
2-Hexanone	ND		10	0.30	ug/L			11/30/20 11:58	1
Acetone	ND		20	0.70	ug/L			11/30/20 11:58	1
Chloroform	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Benzene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
1,1,1-Trichloroethane	ND		1.0	0.30	ug/L			11/30/20 11:58	1
Bromomethane	ND		1.0	0.30	ug/L			11/30/20 11:58	1
Chloromethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Bromochloromethane	ND		5.0	0.20	ug/L			11/30/20 11:58	1
Chloroethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Vinyl chloride	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Methylene Chloride	ND		1.0	0.30	ug/L			11/30/20 11:58	1
Carbon disulfide	ND		5.0	0.20	ug/L			11/30/20 11:58	1
Bromoform	ND		4.0	1.0	ug/L			11/30/20 11:58	1
Bromodichloromethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
1,1-Dichloroethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Dichlorodifluoromethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Freon 113	ND		10	0.20	ug/L			11/30/20 11:58	1
1,2-Dichloropropane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
2-Butanone	ND		10	0.30	ug/L			11/30/20 11:58	1
1,1,2-Trichloroethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Trichloroethene	ND		1.0	0.20	ug/L			11/30/20 11:58	1
Methyl acetate	ND		5.0	0.30	ug/L			11/30/20 11:58	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.20	ug/L			11/30/20 11:58	1
1,2,3-Trichlorobenzene	ND		5.0	0.40	ug/L			11/30/20 11:58	1
o-Xylene	ND		1.0	0.40	ug/L			11/30/20 11:58	1
1,2-Dichlorobenzene	ND		5.0	0.20	ug/L			11/30/20 11:58	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.30	ug/L			11/30/20 11:58	1
Isopropylbenzene	ND		5.0	0.20	ug/L			11/30/20 11:58	1
m&p-Xylene	ND		5.0	1.0	ug/L			11/30/20 11:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 120		11/30/20 11:58	1
4-Bromofluorobenzene (Surr)	98		80 - 120		11/30/20 11:58	1
Dibromofluoromethane (Surr)	100		80 - 120		11/30/20 11:58	1
Toluene-d8 (Surr)	100		80 - 120		11/30/20 11:58	1

APPENDIX F
2020 EXTRACTION WELL LABORATORY RESULT FORMS

ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-1 082620 **Lab ID: 30379383001** Collected: 08/26/20 07:30 Received: 08/26/20 13:30 Matrix: Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,4-Dinitrophenol	ND	ug/L	10.0	5.7	1	09/01/20 09:59	09/08/20 22:17	51-28-5	CL
2,4-Dinitrotoluene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 22:17	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	0.44	1	09/01/20 09:59	09/08/20 22:17	606-20-2	
2-Chloronaphthalene	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 22:17	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 22:17	95-57-8	
2-Methylnaphthalene	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 22:17	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 22:17	95-48-7	
2-Nitroaniline	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 22:17	88-74-4	
2-Nitrophenol	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 22:17	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	5.0	0.36	1	09/01/20 09:59	09/08/20 22:17		
3,3'-Dichlorobenzidine	ND	ug/L	5.0	0.53	1	09/01/20 09:59	09/08/20 22:17	91-94-1	
3-Nitroaniline	ND	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 22:17	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	3.8	1	09/01/20 09:59	09/08/20 22:17	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	5.0	0.47	1	09/01/20 09:59	09/08/20 22:17	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	5.0	0.46	1	09/01/20 09:59	09/08/20 22:17	59-50-7	
4-Chloroaniline	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 22:17	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 22:17	7005-72-3	
4-Nitroaniline	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 22:17	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	3.9	1	09/01/20 09:59	09/08/20 22:17	100-02-7	
Acenaphthene	ND	ug/L	5.0	0.26	1	09/01/20 09:59	09/08/20 22:17	83-32-9	
Acenaphthylene	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 22:17	208-96-8	
Anthracene	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 22:17	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	0.44	1	09/01/20 09:59	09/08/20 22:17	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	0.75	1	09/01/20 09:59	09/08/20 22:17	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	0.64	1	09/01/20 09:59	09/08/20 22:17	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1.0	1	09/01/20 09:59	09/08/20 22:17	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	0.76	1	09/01/20 09:59	09/08/20 22:17	207-08-9	
Butylbenzylphthalate	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 22:17	85-68-7	
Carbazole	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 22:17	86-74-8	
Chrysene	ND	ug/L	5.0	0.47	1	09/01/20 09:59	09/08/20 22:17	218-01-9	
Di-n-butylphthalate	ND	ug/L	5.0	0.69	1	09/01/20 09:59	09/08/20 22:17	84-74-2	
Di-n-octylphthalate	ND	ug/L	5.0	2.6	1	09/01/20 09:59	09/08/20 22:17	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	5.0	0.93	1	09/01/20 09:59	09/08/20 22:17	53-70-3	
Dibenzofuran	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 22:17	132-64-9	
Diethylphthalate	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 22:17	84-66-2	
Dimethylphthalate	ND	ug/L	5.0	0.56	1	09/01/20 09:59	09/08/20 22:17	131-11-3	
Fluoranthene	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 22:17	206-44-0	
Fluorene	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 22:17	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.46	1	09/01/20 09:59	09/08/20 22:17	87-68-3	L2
Hexachlorobenzene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 22:17	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	5.0	2.2	1	09/01/20 09:59	09/08/20 22:17	77-47-4	
Hexachloroethane	ND	ug/L	5.0	0.43	1	09/01/20 09:59	09/08/20 22:17	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	0.88	1	09/01/20 09:59	09/08/20 22:17	193-39-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-1 082620 **Lab ID:** 30379383001 **Collected:** 08/26/20 07:30 **Received:** 08/26/20 13:30 **Matrix:** Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
Isophorone	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 22:17	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 22:17	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 22:17	86-30-6	L1
Naphthalene	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 22:17	91-20-3	
Nitrobenzene	ND	ug/L	5.0	0.50	1	09/01/20 09:59	09/08/20 22:17	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	3.4	1	09/01/20 09:59	09/08/20 22:17	87-86-5	
Phenanthrene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 22:17	85-01-8	
Phenol	ND	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 22:17	108-95-2	
Pyrene	ND	ug/L	5.0	0.41	1	09/01/20 09:59	09/08/20 22:17	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 22:17	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 22:17	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1.5	1	09/01/20 09:59	09/08/20 22:17	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	88	%	35-114		1	09/01/20 09:59	09/08/20 22:17	4165-60-0	
2-Fluorobiphenyl (S)	89	%	43-116		1	09/01/20 09:59	09/08/20 22:17	321-60-8	
p-Terphenyl-d14 (S)	279	%	33-141		1	09/01/20 09:59	09/08/20 22:17	1718-51-0	E,S3
Phenol-d5 (S)	19	%	10-110		1	09/01/20 09:59	09/08/20 22:17	4165-62-2	
2-Fluorophenol (S)	33	%	21-110		1	09/01/20 09:59	09/08/20 22:17	367-12-4	
2,4,6-Tribromophenol (S)	101	%	10-123		1	09/01/20 09:59	09/08/20 22:17	118-79-6	
2-Chlorophenol-d4 (S)	69	%	33-110		1	09/01/20 09:59	09/08/20 22:17	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	63	%	16-110		1	09/01/20 09:59	09/08/20 22:17	2199-69-1	
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 20:33	630-20-6	
1,1,1-Trichloroethane	4.5	ug/L	1.0	0.22	1		09/04/20 20:33	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 20:33	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		09/04/20 20:33	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/04/20 20:33	76-13-1	
1,1-Dichloroethane	30.6	ug/L	1.0	0.19	1		09/04/20 20:33	75-34-3	
1,1-Dichloroethene	18.3	ug/L	1.0	0.23	1		09/04/20 20:33	75-35-4	
1,2,3-Trichlorobenzene	20.7	ug/L	1.0	0.64	1		09/04/20 20:33	87-61-6	L1
1,2,4-Trichlorobenzene	98.2	ug/L	1.0	0.45	1		09/04/20 20:33	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 20:33	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 20:33	106-93-4	
1,2-Dichlorobenzene	4.3	ug/L	1.0	0.17	1		09/04/20 20:33	95-50-1	
1,2-Dichloroethane	91.0	ug/L	1.0	0.19	1		09/04/20 20:33	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.43	1		09/04/20 20:33	78-87-5	
1,3-Dichlorobenzene	1.3	ug/L	1.0	0.23	1		09/04/20 20:33	541-73-1	
1,4-Dichlorobenzene	9.6	ug/L	1.0	0.25	1		09/04/20 20:33	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1.3	1		09/04/20 20:33	78-93-3	IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 20:33	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.39	1		09/04/20 20:33	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-1 082620 **Lab ID:** 30379383001 **Collected:** 08/26/20 07:30 **Received:** 08/26/20 13:30 **Matrix:** Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB Analytical Method: EPA 8082A Preparation Method: EPA 3510C Pace Analytical Services - Greensburg									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.25	0.14	1	08/30/20 10:08	09/03/20 02:23	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.25	0.16	1	08/30/20 10:08	09/03/20 02:23	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.25	0.072	1	08/30/20 10:08	09/03/20 02:23	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.25	0.11	1	08/30/20 10:08	09/03/20 02:23	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.25	0.093	1	08/30/20 10:08	09/03/20 02:23	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.25	0.022	1	08/30/20 10:08	09/03/20 02:23	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.25	0.024	1	08/30/20 10:08	09/03/20 02:23	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	67	%	39-120		1	08/30/20 10:08	09/03/20 02:23	877-09-8	
Decachlorobiphenyl (S)	64	%	10-133		1	08/30/20 10:08	09/03/20 02:23	2051-24-3	CL

6010 MET ICP

Analytical Method: EPA 6010C Preparation Method: EPA 3005A
Pace Analytical Services - Long Island

Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 00:06	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 00:06	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:06	7440-38-2	
Barium	ND	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 00:06	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 00:06	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 00:06	7440-43-9	
Calcium	24100	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 00:06	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 00:06	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 00:06	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 00:06	7440-50-8	
Iron	349	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 00:06	7439-89-6	
Lead	ND	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 00:06	7439-92-1	
Magnesium	5120	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 00:06	7439-95-4	
Manganese	209	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 00:06	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 00:06	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 00:06	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 00:06	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 00:06	7440-22-4	
Sodium	54300	ug/L	5000	374	1	09/09/20 09:54	09/16/20 00:06	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:06	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 00:06	7440-62-2	
Zinc	24.5	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 00:06	7440-66-6	

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C
Pace Analytical Services - Long Island

2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 22:17	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 22:17	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 22:17	88-06-2	
2,4-Dichlorophenol	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 22:17	120-83-2	
2,4-Dimethylphenol	ND	ug/L	5.0	0.60	1	09/01/20 09:59	09/08/20 22:17	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-1 082620 **Lab ID: 30379383001** Collected: 08/26/20 07:30 Received: 08/26/20 13:30 Matrix: Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Pace Analytical Services - Long Island									
Acetone	7.6	ug/L	5.0	1.6	1		09/04/20 20:33	67-64-1	CH
Benzene	393	ug/L	50.0	11.0	50		09/04/20 20:53	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 20:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 20:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 20:33	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 20:33	75-25-2	
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 20:33	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 20:33	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 20:33	56-23-5	
Chlorobenzene	95.0	ug/L	1.0	0.18	1		09/04/20 20:33	108-90-7	
Chloroethane	ND	ug/L	1.0	0.35	1		09/04/20 20:33	75-00-3	
Chloroform	17.4	ug/L	1.0	0.20	1		09/04/20 20:33	67-66-3	
Chloromethane	ND	ug/L	1.0	0.20	1		09/04/20 20:33	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.87	1		09/04/20 20:33	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 20:33	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 20:33	75-71-8	CL
Ethylbenzene	7.8	ug/L	1.0	0.16	1		09/04/20 20:33	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.23	1		09/04/20 20:33	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 20:33	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/04/20 20:33	1634-04-4	
Methylcyclohexane	ND	ug/L	1.0	0.22	1		09/04/20 20:33	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.30	1		09/04/20 20:33	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 20:33	100-42-5	
Tetrachloroethene	29.3	ug/L	1.0	0.28	1		09/04/20 20:33	127-18-4	
Toluene	77.2	ug/L	1.0	0.20	1		09/04/20 20:33	108-88-3	
Trichloroethene	4770	ug/L	50.0	10.8	50		09/04/20 20:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/04/20 20:33	75-69-4	
Vinyl chloride	24.3	ug/L	1.0	0.33	1		09/04/20 20:33	75-01-4	
cis-1,2-Dichloroethene	470	ug/L	50.0	12.2	50		09/04/20 20:53	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 20:33	10061-01-5	
m&p-Xylene	6.0	ug/L	2.0	0.33	1		09/04/20 20:33	179601-23-1	
o-Xylene	11.4	ug/L	1.0	0.18	1		09/04/20 20:33	95-47-6	
trans-1,2-Dichloroethene	4.0	ug/L	1.0	0.19	1		09/04/20 20:33	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 20:33	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	68-153		1		09/04/20 20:33	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124		1		09/04/20 20:33	460-00-4	
Toluene-d8 (S)	99	%	69-124		1		09/04/20 20:33	2037-26-5	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-2 082620 **Lab ID:** 30379383002 **Collected:** 08/26/20 08:00 **Received:** 08/26/20 13:30 **Matrix:** Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Greensburg									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.24	0.13	1	09/06/20 15:22	09/08/20 20:46	12674-11-2	1c
PCB-1221 (Aroclor 1221)	ND	ug/L	0.24	0.16	1	09/06/20 15:22	09/08/20 20:46	11104-28-2	1c
PCB-1232 (Aroclor 1232)	ND	ug/L	0.24	0.070	1	09/06/20 15:22	09/08/20 20:46	11141-16-5	1c
PCB-1242 (Aroclor 1242)	ND	ug/L	0.24	0.10	1	09/06/20 15:22	09/08/20 20:46	53469-21-9	1c
PCB-1248 (Aroclor 1248)	ND	ug/L	0.24	0.090	1	09/06/20 15:22	09/08/20 20:46	12672-29-6	1c
PCB-1254 (Aroclor 1254)	ND	ug/L	0.24	0.022	1	09/06/20 15:22	09/08/20 20:46	11097-69-1	1c
PCB-1260 (Aroclor 1260)	ND	ug/L	0.24	0.024	1	09/06/20 15:22	09/08/20 20:46	11096-82-5	1c
Surrogates									
Tetrachloro-m-xylene (S)	32	%	39-120		1	09/06/20 15:22	09/08/20 20:46	877-09-8	S8,SR
Decachlorobiphenyl (S)	74	%	10-133		1	09/06/20 15:22	09/08/20 20:46	2051-24-3	

6010 MET ICP

Analytical Method: EPA 6010C Preparation Method: EPA 3005A

Pace Analytical Services - Long Island

Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 00:11	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 00:11	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:11	7440-38-2	
Barium	ND	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 00:11	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 00:11	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 00:11	7440-43-9	
Calcium	18500	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 00:11	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 00:11	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 00:11	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 00:11	7440-50-8	
Iron	534	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 00:11	7439-89-6	
Lead	ND	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 00:11	7439-92-1	
Magnesium	4330	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 00:11	7439-95-4	
Manganese	441	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 00:11	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 00:11	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 00:11	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 00:11	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 00:11	7440-22-4	
Sodium	49200	ug/L	5000	374	1	09/09/20 09:54	09/16/20 00:11	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:11	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 00:11	7440-62-2	
Zinc	ND	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 00:11	7440-66-6	

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C

Pace Analytical Services - Long Island

2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 22:49	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 22:49	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 22:49	88-06-2	
2,4-Dichlorophenol	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 22:49	120-83-2	
2,4-Dimethylphenol	9.7	ug/L	5.0	0.60	1	09/01/20 09:59	09/08/20 22:49	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-2 082620 **Lab ID: 30379383002** Collected: 08/26/20 08:00 Received: 08/26/20 13:30 Matrix: Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,4-Dinitrophenol	ND	ug/L	10.0	5.7	1	09/01/20 09:59	09/08/20 22:49	51-28-5	CL
2,4-Dinitrotoluene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 22:49	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	0.44	1	09/01/20 09:59	09/08/20 22:49	606-20-2	
2-Chloronaphthalene	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 22:49	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 22:49	95-57-8	
2-Methylnaphthalene	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 22:49	91-57-6	
2-Methylphenol(o-Cresol)	44.1	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 22:49	95-48-7	
2-Nitroaniline	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 22:49	88-74-4	
2-Nitrophenol	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 22:49	88-75-5	
3&4-Methylphenol(m&p Cresol)	49.9	ug/L	5.0	0.36	1	09/01/20 09:59	09/08/20 22:49		
3,3'-Dichlorobenzidine	ND	ug/L	5.0	0.53	1	09/01/20 09:59	09/08/20 22:49	91-94-1	
3-Nitroaniline	ND	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 22:49	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	3.8	1	09/01/20 09:59	09/08/20 22:49	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	5.0	0.47	1	09/01/20 09:59	09/08/20 22:49	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	5.0	0.46	1	09/01/20 09:59	09/08/20 22:49	59-50-7	
4-Chloroaniline	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 22:49	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 22:49	7005-72-3	
4-Nitroaniline	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 22:49	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	3.9	1	09/01/20 09:59	09/08/20 22:49	100-02-7	
Acenaphthene	ND	ug/L	5.0	0.26	1	09/01/20 09:59	09/08/20 22:49	83-32-9	
Acenaphthylene	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 22:49	208-96-8	
Anthracene	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 22:49	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	0.44	1	09/01/20 09:59	09/08/20 22:49	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	0.75	1	09/01/20 09:59	09/08/20 22:49	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	0.64	1	09/01/20 09:59	09/08/20 22:49	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1.0	1	09/01/20 09:59	09/08/20 22:49	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	0.76	1	09/01/20 09:59	09/08/20 22:49	207-08-9	
Butylbenzylphthalate	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 22:49	85-68-7	
Carbazole	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 22:49	86-74-8	
Chrysene	ND	ug/L	5.0	0.47	1	09/01/20 09:59	09/08/20 22:49	218-01-9	
Di-n-butylphthalate	ND	ug/L	5.0	0.69	1	09/01/20 09:59	09/08/20 22:49	84-74-2	
Di-n-octylphthalate	ND	ug/L	5.0	2.6	1	09/01/20 09:59	09/08/20 22:49	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	5.0	0.93	1	09/01/20 09:59	09/08/20 22:49	53-70-3	
Dibenzofuran	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 22:49	132-64-9	
Diethylphthalate	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 22:49	84-66-2	
Dimethylphthalate	ND	ug/L	5.0	0.56	1	09/01/20 09:59	09/08/20 22:49	131-11-3	
Fluoranthene	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 22:49	206-44-0	
Fluorene	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 22:49	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.46	1	09/01/20 09:59	09/08/20 22:49	87-68-3	L2
Hexachlorobenzene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 22:49	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	5.0	2.2	1	09/01/20 09:59	09/08/20 22:49	77-47-4	
Hexachloroethane	ND	ug/L	5.0	0.43	1	09/01/20 09:59	09/08/20 22:49	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	0.88	1	09/01/20 09:59	09/08/20 22:49	193-39-5	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-2 082620 **Lab ID:** 30379383002 **Collected:** 08/26/20 08:00 **Received:** 08/26/20 13:30 **Matrix:** Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
Isophorone	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 22:49	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 22:49	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 22:49	86-30-6	L1
Naphthalene	9.5	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 22:49	91-20-3	
Nitrobenzene	ND	ug/L	5.0	0.50	1	09/01/20 09:59	09/08/20 22:49	98-95-3	
Pentachlorophenol	16.5	ug/L	10.0	3.4	1	09/01/20 09:59	09/08/20 22:49	87-86-5	
Phenanthrene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 22:49	85-01-8	
Phenol	30.2	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 22:49	108-95-2	
Pyrene	ND	ug/L	5.0	0.41	1	09/01/20 09:59	09/08/20 22:49	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 22:49	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 22:49	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1.5	1	09/01/20 09:59	09/08/20 22:49	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	86	%	35-114		1	09/01/20 09:59	09/08/20 22:49	4165-60-0	
2-Fluorobiphenyl (S)	82	%	43-116		1	09/01/20 09:59	09/08/20 22:49	321-60-8	
p-Terphenyl-d14 (S)	287	%	33-141		1	09/01/20 09:59	09/08/20 22:49	1718-51-0	E,S0
Phenol-d5 (S)	21	%	10-110		1	09/01/20 09:59	09/08/20 22:49	4165-62-2	
2-Fluorophenol (S)	37	%	21-110		1	09/01/20 09:59	09/08/20 22:49	367-12-4	
2,4,6-Tribromophenol (S)	112	%	10-123		1	09/01/20 09:59	09/08/20 22:49	118-79-6	E
2-Chlorophenol-d4 (S)	74	%	33-110		1	09/01/20 09:59	09/08/20 22:49	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	55	%	16-110		1	09/01/20 09:59	09/08/20 22:49	2199-69-1	
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 02:04	630-20-6	
1,1,1-Trichloroethane	115	ug/L	1.0	0.22	1		09/04/20 02:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 02:04	79-34-5	
1,1,2-Trichloroethane	2.8	ug/L	1.0	0.23	1		09/04/20 02:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	1.2	ug/L	1.0	0.23	1		09/04/20 02:04	76-13-1	
1,1-Dichloroethane	156	ug/L	1.0	0.19	1		09/04/20 02:04	75-34-3	
1,1-Dichloroethene	87.7	ug/L	1.0	0.23	1		09/04/20 02:04	75-35-4	
1,2,3-Trichlorobenzene	214	ug/L	200	129	200		09/04/20 20:13	87-61-6	
1,2,4-Trichlorobenzene	1000	ug/L	200	90.2	200		09/04/20 20:13	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 02:04	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 02:04	106-93-4	
1,2-Dichlorobenzene	49.2	ug/L	1.0	0.17	1		09/04/20 02:04	95-50-1	
1,2-Dichloroethane	546	ug/L	200	37.6	200		09/04/20 20:13	107-06-2	
1,2-Dichloropropane	2.0	ug/L	1.0	0.43	1		09/04/20 02:04	78-87-5	
1,3-Dichlorobenzene	16.0	ug/L	1.0	0.23	1		09/04/20 02:04	541-73-1	
1,4-Dichlorobenzene	116	ug/L	1.0	0.25	1		09/04/20 02:04	106-46-7	
2-Butanone (MEK)	12.7	ug/L	5.0	1.3	1		09/04/20 02:04	78-93-3	CH,IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 02:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	20.4	ug/L	5.0	0.39	1		09/04/20 02:04	108-10-1	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-2 082620 **Lab ID: 30379383002** Collected: 08/26/20 08:00 Received: 08/26/20 13:30 Matrix: Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Pace Analytical Services - Long Island									
Acetone	236	ug/L	5.0	1.6	1		09/04/20 02:04	67-64-1	CH,E
Benzene	2990	ug/L	200	44.2	200		09/04/20 20:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 02:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 02:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 02:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 02:04	75-25-2	
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 02:04	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 02:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 02:04	56-23-5	
Chlorobenzene	977	ug/L	200	37.0	200		09/04/20 20:13	108-90-7	
Chloroethane	ND	ug/L	1.0	0.35	1		09/04/20 02:04	75-00-3	
Chloroform	492	ug/L	200	39.2	200		09/04/20 20:13	67-66-3	
Chloromethane	ND	ug/L	1.0	0.20	1		09/04/20 02:04	74-87-3	
Cyclohexane	5.0	ug/L	1.0	0.87	1		09/04/20 02:04	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 02:04	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 02:04	75-71-8	
Ethylbenzene	260	ug/L	200	32.2	200		09/04/20 20:13	100-41-4	
Isopropylbenzene (Cumene)	8.9	ug/L	1.0	0.23	1		09/04/20 02:04	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 02:04	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/04/20 02:04	1634-04-4	
Methylcyclohexane	6.0	ug/L	1.0	0.22	1		09/04/20 02:04	108-87-2	
Methylene Chloride	622	ug/L	200	59.6	200		09/04/20 20:13	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 02:04	100-42-5	
Tetrachloroethene	217	ug/L	200	55.6	200		09/04/20 20:13	127-18-4	
Toluene	3780	ug/L	200	41.0	200		09/04/20 20:13	108-88-3	
Trichloroethene	23300	ug/L	200	43.4	200		09/04/20 20:13	79-01-6	
Trichlorofluoromethane	1.9	ug/L	1.0	0.12	1		09/04/20 02:04	75-69-4	
Vinyl chloride	561	ug/L	200	66.8	200		09/04/20 20:13	75-01-4	
cis-1,2-Dichloroethene	3900	ug/L	200	48.6	200		09/04/20 20:13	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 02:04	10061-01-5	
m&p-Xylene	450	ug/L	400	65.8	200		09/04/20 20:13	179601-23-1	
o-Xylene	265	ug/L	200	35.2	200		09/04/20 20:13	95-47-6	
trans-1,2-Dichloroethene	23.3	ug/L	1.0	0.19	1		09/04/20 02:04	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 02:04	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	68-153		1		09/04/20 02:04	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124		1		09/04/20 02:04	460-00-4	
Toluene-d8 (S)	96	%	69-124		1		09/04/20 02:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-3 082620 **Lab ID: 30379383003** Collected: 08/26/20 08:30 Received: 08/26/20 13:30 Matrix: Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Greensburg									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.25	0.13	1	08/30/20 10:08	09/03/20 02:40	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.25	0.16	1	08/30/20 10:08	09/03/20 02:40	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.25	0.072	1	08/30/20 10:08	09/03/20 02:40	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.25	0.11	1	08/30/20 10:08	09/03/20 02:40	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.25	0.092	1	08/30/20 10:08	09/03/20 02:40	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.25	0.022	1	08/30/20 10:08	09/03/20 02:40	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.25	0.024	1	08/30/20 10:08	09/03/20 02:40	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	76	%	39-120		1	08/30/20 10:08	09/03/20 02:40	877-09-8	
Decachlorobiphenyl (S)	60	%	10-133		1	08/30/20 10:08	09/03/20 02:40	2051-24-3	CL
6010 MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3005A									
Pace Analytical Services - Long Island									
Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 00:17	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 00:17	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:17	7440-38-2	
Barium	ND	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 00:17	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 00:17	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 00:17	7440-43-9	
Calcium	16600	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 00:17	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 00:17	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 00:17	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 00:17	7440-50-8	
Iron	52.4	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 00:17	7439-89-6	
Lead	ND	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 00:17	7439-92-1	
Magnesium	778	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 00:17	7439-95-4	
Manganese	162	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 00:17	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 00:17	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 00:17	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 00:17	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 00:17	7440-22-4	
Sodium	125000	ug/L	5000	374	1	09/09/20 09:54	09/16/20 00:17	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:17	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 00:17	7440-62-2	
Zinc	ND	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 00:17	7440-66-6	
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
2,2'-Oxybis(1-chloropropane)	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 23:21	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 23:21	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 23:21	88-06-2	
2,4-Dichlorophenol	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 23:21	120-83-2	
2,4-Dimethylphenol	15.8	ug/L	5.0	0.60	1	09/01/20 09:59	09/08/20 23:21	105-67-9	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-3 082620 **Lab ID: 30379383003** Collected: 08/26/20 08:30 Received: 08/26/20 13:30 Matrix: Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,4-Dinitrophenol	ND	ug/L	10.0	5.7	1	09/01/20 09:59	09/08/20 23:21	51-28-5	CL
2,4-Dinitrotoluene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 23:21	121-14-2	
2,6-Dinitrotoluene	ND	ug/L	5.0	0.44	1	09/01/20 09:59	09/08/20 23:21	606-20-2	
2-Chloronaphthalene	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 23:21	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 23:21	95-57-8	
2-Methylnaphthalene	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 23:21	91-57-6	
2-Methylphenol(o-Cresol)	10.1	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 23:21	95-48-7	
2-Nitroaniline	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 23:21	88-74-4	
2-Nitrophenol	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 23:21	88-75-5	
3&4-Methylphenol(m&p Cresol)	43.8	ug/L	5.0	0.36	1	09/01/20 09:59	09/08/20 23:21		
3,3'-Dichlorobenzidine	ND	ug/L	5.0	0.53	1	09/01/20 09:59	09/08/20 23:21	91-94-1	
3-Nitroaniline	ND	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 23:21	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	10.0	3.8	1	09/01/20 09:59	09/08/20 23:21	534-52-1	
4-Bromophenylphenyl ether	ND	ug/L	5.0	0.47	1	09/01/20 09:59	09/08/20 23:21	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	5.0	0.46	1	09/01/20 09:59	09/08/20 23:21	59-50-7	
4-Chloroaniline	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 23:21	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 23:21	7005-72-3	
4-Nitroaniline	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 23:21	100-01-6	
4-Nitrophenol	ND	ug/L	10.0	3.9	1	09/01/20 09:59	09/08/20 23:21	100-02-7	
Acenaphthene	ND	ug/L	5.0	0.26	1	09/01/20 09:59	09/08/20 23:21	83-32-9	
Acenaphthylene	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 23:21	208-96-8	
Anthracene	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 23:21	120-12-7	
Benzo(a)anthracene	ND	ug/L	5.0	0.44	1	09/01/20 09:59	09/08/20 23:21	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	0.75	1	09/01/20 09:59	09/08/20 23:21	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	0.64	1	09/01/20 09:59	09/08/20 23:21	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1.0	1	09/01/20 09:59	09/08/20 23:21	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	0.76	1	09/01/20 09:59	09/08/20 23:21	207-08-9	
Butylbenzylphthalate	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 23:21	85-68-7	
Carbazole	ND	ug/L	5.0	0.34	1	09/01/20 09:59	09/08/20 23:21	86-74-8	
Chrysene	ND	ug/L	5.0	0.47	1	09/01/20 09:59	09/08/20 23:21	218-01-9	
Di-n-butylphthalate	ND	ug/L	5.0	0.69	1	09/01/20 09:59	09/08/20 23:21	84-74-2	
Di-n-octylphthalate	ND	ug/L	5.0	2.6	1	09/01/20 09:59	09/08/20 23:21	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	5.0	0.93	1	09/01/20 09:59	09/08/20 23:21	53-70-3	
Dibenzofuran	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 23:21	132-64-9	
Diethylphthalate	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 23:21	84-66-2	
Dimethylphthalate	ND	ug/L	5.0	0.56	1	09/01/20 09:59	09/08/20 23:21	131-11-3	
Fluoranthene	ND	ug/L	5.0	0.40	1	09/01/20 09:59	09/08/20 23:21	206-44-0	
Fluorene	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 23:21	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	0.46	1	09/01/20 09:59	09/08/20 23:21	87-68-3	L2
Hexachlorobenzene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 23:21	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	5.0	2.2	1	09/01/20 09:59	09/08/20 23:21	77-47-4	
Hexachloroethane	ND	ug/L	5.0	0.43	1	09/01/20 09:59	09/08/20 23:21	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	5.0	0.88	1	09/01/20 09:59	09/08/20 23:21	193-39-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-3 082620 **Lab ID: 30379383003** Collected: 08/26/20 08:30 Received: 08/26/20 13:30 Matrix: Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
Isophorone	ND	ug/L	5.0	0.39	1	09/01/20 09:59	09/08/20 23:21	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	5.0	0.42	1	09/01/20 09:59	09/08/20 23:21	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 23:21	86-30-6	L1
Naphthalene	ND	ug/L	5.0	0.37	1	09/01/20 09:59	09/08/20 23:21	91-20-3	
Nitrobenzene	ND	ug/L	5.0	0.50	1	09/01/20 09:59	09/08/20 23:21	98-95-3	
Pentachlorophenol	ND	ug/L	10.0	3.4	1	09/01/20 09:59	09/08/20 23:21	87-86-5	
Phenanthrene	ND	ug/L	5.0	0.35	1	09/01/20 09:59	09/08/20 23:21	85-01-8	
Phenol	ND	ug/L	5.0	0.30	1	09/01/20 09:59	09/08/20 23:21	108-95-2	
Pyrene	ND	ug/L	5.0	0.41	1	09/01/20 09:59	09/08/20 23:21	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	5.0	0.38	1	09/01/20 09:59	09/08/20 23:21	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	0.33	1	09/01/20 09:59	09/08/20 23:21	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	1.5	1	09/01/20 09:59	09/08/20 23:21	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	89	%	35-114		1	09/01/20 09:59	09/08/20 23:21	4165-60-0	
2-Fluorobiphenyl (S)	83	%	43-116		1	09/01/20 09:59	09/08/20 23:21	321-60-8	
p-Terphenyl-d14 (S)	283	%	33-141		1	09/01/20 09:59	09/08/20 23:21	1718-51-0	E,S0
Phenol-d5 (S)	21	%	10-110		1	09/01/20 09:59	09/08/20 23:21	4165-62-2	
2-Fluorophenol (S)	40	%	21-110		1	09/01/20 09:59	09/08/20 23:21	367-12-4	
2,4,6-Tribromophenol (S)	106	%	10-123		1	09/01/20 09:59	09/08/20 23:21	118-79-6	
2-Chlorophenol-d4 (S)	73	%	33-110		1	09/01/20 09:59	09/08/20 23:21	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	56	%	16-110		1	09/01/20 09:59	09/08/20 23:21	2199-69-1	
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 19:12	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.22	1		09/04/20 19:12	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 19:12	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		09/04/20 19:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/04/20 19:12	76-13-1	
1,1-Dichloroethane	11.2	ug/L	1.0	0.19	1		09/04/20 19:12	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.23	1		09/04/20 19:12	75-35-4	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.64	1		09/04/20 19:12	87-61-6	L1
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.45	1		09/04/20 19:12	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 19:12	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 19:12	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.17	1		09/04/20 19:12	95-50-1	
1,2-Dichloroethane	12.7	ug/L	1.0	0.19	1		09/04/20 19:12	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.43	1		09/04/20 19:12	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.23	1		09/04/20 19:12	541-73-1	
1,4-Dichlorobenzene	4.1	ug/L	1.0	0.25	1		09/04/20 19:12	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1.3	1		09/04/20 19:12	78-93-3	CH,IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 19:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.39	1		09/04/20 19:12	108-10-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-3 082620 **Lab ID: 30379383003** Collected: 08/26/20 08:30 Received: 08/26/20 13:30 Matrix: Water

Comments: • Method (8270D): The internal standard response exceeded the lower acceptance limits and confirmed by reanalysis. Results may be biased high.

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Pace Analytical Services - Long Island									
Acetone	19.1	ug/L	5.0	1.6	1		09/04/20 19:12	67-64-1	CH
Benzene	1300	ug/L	50.0	11.0	50		09/04/20 19:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 19:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 19:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 19:12	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 19:12	75-25-2	
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 19:12	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 19:12	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 19:12	56-23-5	
Chlorobenzene	312	ug/L	50.0	9.2	50		09/04/20 19:32	108-90-7	
Chloroethane	3.2	ug/L	1.0	0.35	1		09/04/20 19:12	75-00-3	
Chloroform	ND	ug/L	1.0	0.20	1		09/04/20 19:12	67-66-3	
Chloromethane	ND	ug/L	1.0	0.20	1		09/04/20 19:12	74-87-3	
Cyclohexane	1.5	ug/L	1.0	0.87	1		09/04/20 19:12	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 19:12	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 19:12	75-71-8	CL
Ethylbenzene	41.4	ug/L	1.0	0.16	1		09/04/20 19:12	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.23	1		09/04/20 19:12	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 19:12	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/04/20 19:12	1634-04-4	
Methylcyclohexane	ND	ug/L	1.0	0.22	1		09/04/20 19:12	108-87-2	
Methylene Chloride	3.0	ug/L	1.0	0.30	1		09/04/20 19:12	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 19:12	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.28	1		09/04/20 19:12	127-18-4	
Toluene	3070	ug/L	50.0	10.2	50		09/04/20 19:32	108-88-3	
Trichloroethene	63.8	ug/L	1.0	0.22	1		09/04/20 19:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/04/20 19:12	75-69-4	
Vinyl chloride	12.9	ug/L	1.0	0.33	1		09/04/20 19:12	75-01-4	
cis-1,2-Dichloroethene	65.2	ug/L	1.0	0.24	1		09/04/20 19:12	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 19:12	10061-01-5	
m&p-Xylene	152	ug/L	2.0	0.33	1		09/04/20 19:12	179601-23-1	
o-Xylene	53.3	ug/L	1.0	0.18	1		09/04/20 19:12	95-47-6	
trans-1,2-Dichloroethene	2.2	ug/L	1.0	0.19	1		09/04/20 19:12	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 19:12	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	96	%	68-153		1		09/04/20 19:12	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124		1		09/04/20 19:12	460-00-4	
Toluene-d8 (S)	96	%	69-124		1		09/04/20 19:12	2037-26-5	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-4 082620		Lab ID: 30379383004		Collected: 08/26/20 09:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Greensburg									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.24	0.13	1	08/30/20 10:08	09/03/20 02:48	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.24	0.16	1	08/30/20 10:08	09/03/20 02:48	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.24	0.071	1	08/30/20 10:08	09/03/20 02:48	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.24	0.10	1	08/30/20 10:08	09/03/20 02:48	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.24	0.091	1	08/30/20 10:08	09/03/20 02:48	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.24	0.022	1	08/30/20 10:08	09/03/20 02:48	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.24	0.024	1	08/30/20 10:08	09/03/20 02:48	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	61	%.	39-120		1	08/30/20 10:08	09/03/20 02:48	877-09-8	
Decachlorobiphenyl (S)	62	%.	10-133		1	08/30/20 10:08	09/03/20 02:48	2051-24-3	CL
6010 MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3005A									
Pace Analytical Services - Long Island									
Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 00:22	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 00:22	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:22	7440-38-2	
Barium	1900	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 00:22	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 00:22	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 00:22	7440-43-9	
Calcium	34000	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 00:22	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 00:22	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 00:22	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 00:22	7440-50-8	
Iron	87.7	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 00:22	7439-89-6	
Lead	ND	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 00:22	7439-92-1	
Magnesium	2390	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 00:22	7439-95-4	
Manganese	931	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 00:22	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 00:22	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 00:22	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 00:22	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 00:22	7440-22-4	
Sodium	169000	ug/L	5000	374	1	09/09/20 09:54	09/16/20 00:22	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:22	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 00:22	7440-62-2	
Zinc	1050	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 00:22	7440-66-6	
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
2,2'-Oxybis(1-chloropropane)	ND	ug/L	100	7.6	20	09/01/20 09:59	09/10/20 19:31	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	100	6.8	20	09/01/20 09:59	09/10/20 19:31	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	100	6.7	20	09/01/20 09:59	09/10/20 19:31	88-06-2	
2,4-Dichlorophenol	ND	ug/L	100	6.6	20	09/01/20 09:59	09/10/20 19:31	120-83-2	
2,4-Dimethylphenol	238	ug/L	100	12.0	20	09/01/20 09:59	09/10/20 19:31	105-67-9	
2,4-Dinitrophenol	ND	ug/L	200	114	20	09/01/20 09:59	09/10/20 19:31	51-28-5	CL
2,4-Dinitrotoluene	ND	ug/L	100	7.0	20	09/01/20 09:59	09/10/20 19:31	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-4 082620		Lab ID: 30379383004		Collected: 08/26/20 09:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,6-Dinitrotoluene	ND	ug/L	100	8.9	20	09/01/20 09:59	09/10/20 19:31	606-20-2	
2-Chloronaphthalene	ND	ug/L	100	6.6	20	09/01/20 09:59	09/10/20 19:31	91-58-7	
2-Chlorophenol	ND	ug/L	100	7.5	20	09/01/20 09:59	09/10/20 19:31	95-57-8	
2-Methylnaphthalene	ND	ug/L	100	6.8	20	09/01/20 09:59	09/10/20 19:31	91-57-6	
2-Methylphenol(o-Cresol)	313	ug/L	100	6.0	20	09/01/20 09:59	09/10/20 19:31	95-48-7	
2-Nitroaniline	ND	ug/L	100	8.0	20	09/01/20 09:59	09/10/20 19:31	88-74-4	
2-Nitrophenol	ND	ug/L	100	7.7	20	09/01/20 09:59	09/10/20 19:31	88-75-5	
3&4-Methylphenol(m&p Cresol)	966	ug/L	100	7.2	20	09/01/20 09:59	09/10/20 19:31		
3,3'-Dichlorobenzidine	ND	ug/L	100	10.6	20	09/01/20 09:59	09/10/20 19:31	91-94-1	
3-Nitroaniline	ND	ug/L	100	6.1	20	09/01/20 09:59	09/10/20 19:31	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	200	76.2	20	09/01/20 09:59	09/10/20 19:31	534-52-1	CL
4-Bromophenylphenyl ether	ND	ug/L	100	9.5	20	09/01/20 09:59	09/10/20 19:31	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	100	9.1	20	09/01/20 09:59	09/10/20 19:31	59-50-7	
4-Chloroaniline	ND	ug/L	100	7.5	20	09/01/20 09:59	09/10/20 19:31	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	100	7.5	20	09/01/20 09:59	09/10/20 19:31	7005-72-3	
4-Nitroaniline	ND	ug/L	100	7.9	20	09/01/20 09:59	09/10/20 19:31	100-01-6	
4-Nitrophenol	ND	ug/L	200	77.3	20	09/01/20 09:59	09/10/20 19:31	100-02-7	
Acenaphthene	ND	ug/L	100	5.3	20	09/01/20 09:59	09/10/20 19:31	83-32-9	
Acenaphthylene	ND	ug/L	100	6.8	20	09/01/20 09:59	09/10/20 19:31	208-96-8	
Anthracene	ND	ug/L	100	8.4	20	09/01/20 09:59	09/10/20 19:31	120-12-7	
Benzo(a)anthracene	ND	ug/L	100	8.8	20	09/01/20 09:59	09/10/20 19:31	56-55-3	
Benzo(a)pyrene	ND	ug/L	100	14.9	20	09/01/20 09:59	09/10/20 19:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	100	12.9	20	09/01/20 09:59	09/10/20 19:31	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	100	20.8	20	09/01/20 09:59	09/10/20 19:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	100	15.1	20	09/01/20 09:59	09/10/20 19:31	207-08-9	
Butylbenzylphthalate	ND	ug/L	100	8.0	20	09/01/20 09:59	09/10/20 19:31	85-68-7	
Carbazole	ND	ug/L	100	6.8	20	09/01/20 09:59	09/10/20 19:31	86-74-8	
Chrysene	ND	ug/L	100	9.4	20	09/01/20 09:59	09/10/20 19:31	218-01-9	
Di-n-butylphthalate	ND	ug/L	100	13.7	20	09/01/20 09:59	09/10/20 19:31	84-74-2	
Di-n-octylphthalate	ND	ug/L	100	51.2	20	09/01/20 09:59	09/10/20 19:31	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	100	18.5	20	09/01/20 09:59	09/10/20 19:31	53-70-3	
Dibenzofuran	ND	ug/L	100	7.4	20	09/01/20 09:59	09/10/20 19:31	132-64-9	
Diethylphthalate	ND	ug/L	100	8.3	20	09/01/20 09:59	09/10/20 19:31	84-66-2	
Dimethylphthalate	ND	ug/L	100	11.2	20	09/01/20 09:59	09/10/20 19:31	131-11-3	
Fluoranthene	ND	ug/L	100	7.9	20	09/01/20 09:59	09/10/20 19:31	206-44-0	
Fluorene	ND	ug/L	100	7.5	20	09/01/20 09:59	09/10/20 19:31	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	100	9.2	20	09/01/20 09:59	09/10/20 19:31	87-68-3	L2
Hexachlorobenzene	ND	ug/L	100	6.9	20	09/01/20 09:59	09/10/20 19:31	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	100	44.1	20	09/01/20 09:59	09/10/20 19:31	77-47-4	
Hexachloroethane	ND	ug/L	100	8.7	20	09/01/20 09:59	09/10/20 19:31	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	100	17.5	20	09/01/20 09:59	09/10/20 19:31	193-39-5	
Isophorone	ND	ug/L	100	7.8	20	09/01/20 09:59	09/10/20 19:31	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	100	8.4	20	09/01/20 09:59	09/10/20 19:31	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	100	7.0	20	09/01/20 09:59	09/10/20 19:31	86-30-6	L1
Naphthalene	ND	ug/L	100	7.5	20	09/01/20 09:59	09/10/20 19:31	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-4 082620		Lab ID: 30379383004		Collected: 08/26/20 09:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
Nitrobenzene	ND	ug/L	100	10.0	20	09/01/20 09:59	09/10/20 19:31	98-95-3	CL
Pentachlorophenol	ND	ug/L	200	68.8	20	09/01/20 09:59	09/10/20 19:31	87-86-5	
Phenanthrene	ND	ug/L	100	7.0	20	09/01/20 09:59	09/10/20 19:31	85-01-8	
Phenol	323	ug/L	100	6.0	20	09/01/20 09:59	09/10/20 19:31	108-95-2	
Pyrene	ND	ug/L	100	8.2	20	09/01/20 09:59	09/10/20 19:31	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	100	7.6	20	09/01/20 09:59	09/10/20 19:31	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	100	6.7	20	09/01/20 09:59	09/10/20 19:31	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	100	29.4	20	09/01/20 09:59	09/10/20 19:31	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	97	%	35-114		20	09/01/20 09:59	09/10/20 19:31	4165-60-0	
2-Fluorobiphenyl (S)	84	%	43-116		20	09/01/20 09:59	09/10/20 19:31	321-60-8	
p-Terphenyl-d14 (S)	110	%	33-141		20	09/01/20 09:59	09/10/20 19:31	1718-51-0	
Phenol-d5 (S)	23	%	10-110		20	09/01/20 09:59	09/10/20 19:31	4165-62-2	
2-Fluorophenol (S)	43	%	21-110		20	09/01/20 09:59	09/10/20 19:31	367-12-4	
2,4,6-Tribromophenol (S)	90	%	10-123		20	09/01/20 09:59	09/10/20 19:31	118-79-6	
2-Chlorophenol-d4 (S)	78	%	33-110		20	09/01/20 09:59	09/10/20 19:31	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	59	%	16-110		20	09/01/20 09:59	09/10/20 19:31	2199-69-1	
8260C Volatile Organics Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 01:24	630-20-6	
1,1,1-Trichloroethane	450	ug/L	200	44.2	200		09/04/20 19:52	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 01:24	79-34-5	
1,1,2-Trichloroethane	1.8	ug/L	1.0	0.23	1		09/04/20 01:24	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/04/20 01:24	76-13-1	
1,1-Dichloroethane	360	ug/L	200	38.0	200		09/04/20 19:52	75-34-3	
1,1-Dichloroethene	64.6	ug/L	1.0	0.23	1		09/04/20 01:24	75-35-4	
1,2,3-Trichlorobenzene	56.1	ug/L	1.0	0.64	1		09/04/20 01:24	87-61-6	
1,2,4-Trichlorobenzene	274	ug/L	1.0	0.45	1		09/04/20 01:24	120-82-1	E
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 01:24	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 01:24	106-93-4	
1,2-Dichlorobenzene	13.3	ug/L	1.0	0.17	1		09/04/20 01:24	95-50-1	
1,2-Dichloroethane	1700	ug/L	200	37.6	200		09/04/20 19:52	107-06-2	
1,2-Dichloropropane	1.9	ug/L	1.0	0.43	1		09/04/20 01:24	78-87-5	
1,3-Dichlorobenzene	9.4	ug/L	1.0	0.23	1		09/04/20 01:24	541-73-1	
1,4-Dichlorobenzene	83.7	ug/L	1.0	0.25	1		09/04/20 01:24	106-46-7	
2-Butanone (MEK)	96.7	ug/L	5.0	1.3	1		09/04/20 01:24	78-93-3	CH,IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 01:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	95.4	ug/L	5.0	0.39	1		09/04/20 01:24	108-10-1	
Acetone	1460	ug/L	1000	311	200		09/04/20 19:52	67-64-1	CH
Benzene	14000	ug/L	200	44.2	200		09/04/20 19:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 01:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 01:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 01:24	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 01:24	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-4 082620		Lab ID: 30379383004		Collected: 08/26/20 09:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island							
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 01:24	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 01:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 01:24	56-23-5	
Chlorobenzene	4670	ug/L	200	37.0	200		09/04/20 19:52	108-90-7	
Chloroethane	3.2	ug/L	1.0	0.35	1		09/04/20 01:24	75-00-3	
Chloroform	250	ug/L	200	39.2	200		09/04/20 19:52	67-66-3	
Chloromethane	ND	ug/L	1.0	0.20	1		09/04/20 01:24	74-87-3	
Cyclohexane	18.3	ug/L	1.0	0.87	1		09/04/20 01:24	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 01:24	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 01:24	75-71-8	
Ethylbenzene	604	ug/L	200	32.2	200		09/04/20 19:52	100-41-4	
Isopropylbenzene (Cumene)	7.3	ug/L	1.0	0.23	1		09/04/20 01:24	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 01:24	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/04/20 01:24	1634-04-4	
Methylcyclohexane	3.8	ug/L	1.0	0.22	1		09/04/20 01:24	108-87-2	
Methylene Chloride	464	ug/L	200	59.6	200		09/04/20 19:52	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 01:24	100-42-5	
Tetrachloroethene	8.4	ug/L	1.0	0.28	1		09/04/20 01:24	127-18-4	
Toluene	37400	ug/L	200	41.0	200		09/04/20 19:52	108-88-3	
Trichloroethene	201	ug/L	1.0	0.22	1		09/04/20 01:24	79-01-6	E
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/04/20 01:24	75-69-4	
Vinyl chloride	592	ug/L	200	66.8	200		09/04/20 19:52	75-01-4	
cis-1,2-Dichloroethene	6050	ug/L	200	48.6	200		09/04/20 19:52	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 01:24	10061-01-5	
m&p-Xylene	2500	ug/L	400	65.8	200		09/04/20 19:52	179601-23-1	
o-Xylene	743	ug/L	200	35.2	200		09/04/20 19:52	95-47-6	
trans-1,2-Dichloroethene	42.2	ug/L	1.0	0.19	1		09/04/20 01:24	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 01:24	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	60	%	68-153		1		09/04/20 01:24	17060-07-0	S0
4-Bromofluorobenzene (S)	96	%	79-124		1		09/04/20 01:24	460-00-4	
Toluene-d8 (S)	86	%	69-124		1		09/04/20 01:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-5 082620		Lab ID: 30379383005		Collected: 08/26/20 09:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Greensburg									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.24	0.13	1	08/30/20 10:08	09/03/20 03:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.24	0.16	1	08/30/20 10:08	09/03/20 03:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.24	0.071	1	08/30/20 10:08	09/03/20 03:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.24	0.10	1	08/30/20 10:08	09/03/20 03:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.24	0.091	1	08/30/20 10:08	09/03/20 03:05	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.24	0.022	1	08/30/20 10:08	09/03/20 03:05	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.24	0.024	1	08/30/20 10:08	09/03/20 03:05	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	66	%.	39-120		1	08/30/20 10:08	09/03/20 03:05	877-09-8	
Decachlorobiphenyl (S)	68	%.	10-133		1	08/30/20 10:08	09/03/20 03:05	2051-24-3	CL
6010 MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3005A									
Pace Analytical Services - Long Island									
Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 00:38	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 00:38	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:38	7440-38-2	
Barium	653	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 00:38	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 00:38	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 00:38	7440-43-9	
Calcium	39200	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 00:38	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 00:38	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 00:38	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 00:38	7440-50-8	
Iron	ND	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 00:38	7439-89-6	
Lead	ND	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 00:38	7439-92-1	
Magnesium	4280	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 00:38	7439-95-4	
Manganese	463	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 00:38	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 00:38	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 00:38	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 00:38	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 00:38	7440-22-4	
Sodium	147000	ug/L	5000	374	1	09/09/20 09:54	09/16/20 00:38	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:38	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 00:38	7440-62-2	
Zinc	ND	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 00:38	7440-66-6	
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
2,2'-Oxybis(1-chloropropane)	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	88-06-2	
2,4-Dichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	120-83-2	
2,4-Dimethylphenol	92.0	ug/L	25.0	3.0	5	09/01/20 09:59	09/10/20 20:03	105-67-9	
2,4-Dinitrophenol	ND	ug/L	50.0	28.4	5	09/01/20 09:59	09/10/20 20:03	51-28-5	CL
2,4-Dinitrotoluene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-5 082620		Lab ID: 30379383005		Collected: 08/26/20 09:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,6-Dinitrotoluene	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 20:03	606-20-2	
2-Chloronaphthalene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	91-58-7	
2-Chlorophenol	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	95-57-8	
2-Methylnaphthalene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	91-57-6	
2-Methylphenol(o-Cresol)	122	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 20:03	95-48-7	
2-Nitroaniline	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 20:03	88-74-4	
2-Nitrophenol	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	88-75-5	
3&4-Methylphenol(m&p Cresol)	335	ug/L	25.0	1.8	5	09/01/20 09:59	09/10/20 20:03		
3,3'-Dichlorobenzidine	ND	ug/L	25.0	2.6	5	09/01/20 09:59	09/10/20 20:03	91-94-1	
3-Nitroaniline	ND	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 20:03	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	19.0	5	09/01/20 09:59	09/10/20 20:03	534-52-1	CL
4-Bromophenylphenyl ether	ND	ug/L	25.0	2.4	5	09/01/20 09:59	09/10/20 20:03	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 20:03	59-50-7	
4-Chloroaniline	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	7005-72-3	
4-Nitroaniline	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 20:03	100-01-6	
4-Nitrophenol	ND	ug/L	50.0	19.3	5	09/01/20 09:59	09/10/20 20:03	100-02-7	
Acenaphthene	ND	ug/L	25.0	1.3	5	09/01/20 09:59	09/10/20 20:03	83-32-9	
Acenaphthylene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	208-96-8	
Anthracene	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 20:03	120-12-7	
Benzo(a)anthracene	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 20:03	56-55-3	
Benzo(a)pyrene	ND	ug/L	25.0	3.7	5	09/01/20 09:59	09/10/20 20:03	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	25.0	3.2	5	09/01/20 09:59	09/10/20 20:03	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	25.0	5.2	5	09/01/20 09:59	09/10/20 20:03	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	25.0	3.8	5	09/01/20 09:59	09/10/20 20:03	207-08-9	
Butylbenzylphthalate	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 20:03	85-68-7	
Carbazole	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	86-74-8	
Chrysene	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 20:03	218-01-9	
Di-n-butylphthalate	ND	ug/L	25.0	3.4	5	09/01/20 09:59	09/10/20 20:03	84-74-2	
Di-n-octylphthalate	ND	ug/L	25.0	12.8	5	09/01/20 09:59	09/10/20 20:03	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	25.0	4.6	5	09/01/20 09:59	09/10/20 20:03	53-70-3	
Dibenzofuran	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	132-64-9	
Diethylphthalate	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 20:03	84-66-2	
Dimethylphthalate	ND	ug/L	25.0	2.8	5	09/01/20 09:59	09/10/20 20:03	131-11-3	
Fluoranthene	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 20:03	206-44-0	
Fluorene	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 20:03	87-68-3	L2
Hexachlorobenzene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	25.0	11.0	5	09/01/20 09:59	09/10/20 20:03	77-47-4	
Hexachloroethane	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 20:03	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	25.0	4.4	5	09/01/20 09:59	09/10/20 20:03	193-39-5	
Isophorone	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 20:03	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 20:03	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	86-30-6	L1
Naphthalene	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-5 082620		Lab ID: 30379383005		Collected: 08/26/20 09:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
Nitrobenzene	ND	ug/L	25.0	2.5	5	09/01/20 09:59	09/10/20 20:03	98-95-3	CL
Pentachlorophenol	ND	ug/L	50.0	17.2	5	09/01/20 09:59	09/10/20 20:03	87-86-5	
Phenanthrene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	85-01-8	
Phenol	ND	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 20:03	108-95-2	
Pyrene	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 20:03	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 20:03	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 20:03	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	25.0	7.3	5	09/01/20 09:59	09/10/20 20:03	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	102	%	35-114		5	09/01/20 09:59	09/10/20 20:03	4165-60-0	S0
2-Fluorobiphenyl (S)	96	%	43-116		5	09/01/20 09:59	09/10/20 20:03	321-60-8	
p-Terphenyl-d14 (S)	143	%	33-141		5	09/01/20 09:59	09/10/20 20:03	1718-51-0	
Phenol-d5 (S)	23	%	10-110		5	09/01/20 09:59	09/10/20 20:03	4165-62-2	
2-Fluorophenol (S)	46	%	21-110		5	09/01/20 09:59	09/10/20 20:03	367-12-4	
2,4,6-Tribromophenol (S)	107	%	10-123		5	09/01/20 09:59	09/10/20 20:03	118-79-6	
2-Chlorophenol-d4 (S)	80	%	33-110		5	09/01/20 09:59	09/10/20 20:03	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	65	%	16-110		5	09/01/20 09:59	09/10/20 20:03	2199-69-1	
8260C Volatile Organics Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 01:04	630-20-6	
1,1,1-Trichloroethane	163	ug/L	1.0	0.22	1		09/04/20 01:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 01:04	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		09/04/20 01:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/04/20 01:04	76-13-1	
1,1-Dichloroethane	129	ug/L	1.0	0.19	1		09/04/20 01:04	75-34-3	
1,1-Dichloroethene	18.0	ug/L	1.0	0.23	1		09/04/20 01:04	75-35-4	
1,2,3-Trichlorobenzene	20.5	ug/L	1.0	0.64	1		09/04/20 01:04	87-61-6	
1,2,4-Trichlorobenzene	74.9	ug/L	1.0	0.45	1		09/04/20 01:04	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 01:04	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 01:04	106-93-4	
1,2-Dichlorobenzene	3.1	ug/L	1.0	0.17	1		09/04/20 01:04	95-50-1	
1,2-Dichloroethane	688	ug/L	100	18.8	100		09/04/20 18:32	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.43	1		09/04/20 01:04	78-87-5	
1,3-Dichlorobenzene	1.8	ug/L	1.0	0.23	1		09/04/20 01:04	541-73-1	
1,4-Dichlorobenzene	17.7	ug/L	1.0	0.25	1		09/04/20 01:04	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1.3	1		09/04/20 01:04	78-93-3	CH,IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 01:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	49.1	ug/L	5.0	0.39	1		09/04/20 01:04	108-10-1	
Acetone	57.8	ug/L	5.0	1.6	1		09/04/20 01:04	67-64-1	CH
Benzene	7050	ug/L	100	22.1	100		09/04/20 18:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 01:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 01:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 01:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 01:04	75-25-2	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-5 082620		Lab ID: 30379383005		Collected: 08/26/20 09:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island							
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 01:04	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 01:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 01:04	56-23-5	
Chlorobenzene	1940	ug/L	100	18.5	100		09/04/20 18:32	108-90-7	
Chloroethane	ND	ug/L	1.0	0.35	1		09/04/20 01:04	75-00-3	
Chloroform	108	ug/L	1.0	0.20	1		09/04/20 01:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.20	1		09/04/20 01:04	74-87-3	
Cyclohexane	6.6	ug/L	1.0	0.87	1		09/04/20 01:04	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 01:04	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 01:04	75-71-8	
Ethylbenzene	186	ug/L	100	16.1	100		09/04/20 18:32	100-41-4	
Isopropylbenzene (Cumene)	2.2	ug/L	1.0	0.23	1		09/04/20 01:04	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 01:04	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/04/20 01:04	1634-04-4	
Methylcyclohexane	1.1	ug/L	1.0	0.22	1		09/04/20 01:04	108-87-2	
Methylene Chloride	7.5	ug/L	1.0	0.30	1		09/04/20 01:04	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 01:04	100-42-5	
Tetrachloroethene	3.1	ug/L	1.0	0.28	1		09/04/20 01:04	127-18-4	
Toluene	12800	ug/L	100	20.5	100		09/04/20 18:32	108-88-3	
Trichloroethene	57.6	ug/L	1.0	0.22	1		09/04/20 01:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/04/20 01:04	75-69-4	
Vinyl chloride	341	ug/L	100	33.4	100		09/04/20 18:32	75-01-4	
cis-1,2-Dichloroethene	1280	ug/L	100	24.3	100		09/04/20 18:32	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 01:04	10061-01-5	
m&p-Xylene	690	ug/L	200	32.9	100		09/04/20 18:32	179601-23-1	
o-Xylene	217	ug/L	100	17.6	100		09/04/20 18:32	95-47-6	
trans-1,2-Dichloroethene	12.5	ug/L	1.0	0.19	1		09/04/20 01:04	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 01:04	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	79	%	68-153		1		09/04/20 01:04	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-124		1		09/04/20 01:04	460-00-4	
Toluene-d8 (S)	96	%	69-124		1		09/04/20 01:04	2037-26-5	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-6 082620		Lab ID: 30379383006		Collected: 08/26/20 10:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Greensburg									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.25	0.14	1	08/30/20 10:08	09/03/20 03:14	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.25	0.16	1	08/30/20 10:08	09/03/20 03:14	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.25	0.072	1	08/30/20 10:08	09/03/20 03:14	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.25	0.11	1	08/30/20 10:08	09/03/20 03:14	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.25	0.093	1	08/30/20 10:08	09/03/20 03:14	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.25	0.022	1	08/30/20 10:08	09/03/20 03:14	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.25	0.024	1	08/30/20 10:08	09/03/20 03:14	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	41	%	39-120		1	08/30/20 10:08	09/03/20 03:14	877-09-8	
Decachlorobiphenyl (S)	56	%	10-133		1	08/30/20 10:08	09/03/20 03:14	2051-24-3	CL
6010 MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3005A									
Pace Analytical Services - Long Island									
Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 00:44	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 00:44	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:44	7440-38-2	
Barium	7100	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 00:44	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 00:44	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 00:44	7440-43-9	
Calcium	200000	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 00:44	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 00:44	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 00:44	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 00:44	7440-50-8	
Iron	690	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 00:44	7439-89-6	
Lead	5.4	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 00:44	7439-92-1	
Magnesium	34800	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 00:44	7439-95-4	
Manganese	2460	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 00:44	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 00:44	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 00:44	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 00:44	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 00:44	7440-22-4	
Sodium	43000	ug/L	5000	374	1	09/09/20 09:54	09/16/20 00:44	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:44	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 00:44	7440-62-2	
Zinc	677	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 00:44	7440-66-6	
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
2,2'-Oxybis(1-chloropropane)	ND	ug/L	250	19.0	50	09/01/20 09:59	09/10/20 20:36	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	250	17.0	50	09/01/20 09:59	09/10/20 20:36	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	250	16.7	50	09/01/20 09:59	09/10/20 20:36	88-06-2	
2,4-Dichlorophenol	ND	ug/L	250	16.5	50	09/01/20 09:59	09/10/20 20:36	120-83-2	
2,4-Dimethylphenol	592	ug/L	250	30.1	50	09/01/20 09:59	09/10/20 20:36	105-67-9	
2,4-Dinitrophenol	ND	ug/L	500	284	50	09/01/20 09:59	09/10/20 20:36	51-28-5	CL
2,4-Dinitrotoluene	ND	ug/L	250	17.4	50	09/01/20 09:59	09/10/20 20:36	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-6 082620		Lab ID: 30379383006		Collected: 08/26/20 10:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,6-Dinitrotoluene	ND	ug/L	250	22.2	50	09/01/20 09:59	09/10/20 20:36	606-20-2	
2-Chloronaphthalene	ND	ug/L	250	16.5	50	09/01/20 09:59	09/10/20 20:36	91-58-7	
2-Chlorophenol	ND	ug/L	250	18.7	50	09/01/20 09:59	09/10/20 20:36	95-57-8	
2-Methylnaphthalene	ND	ug/L	250	17.0	50	09/01/20 09:59	09/10/20 20:36	91-57-6	
2-Methylphenol(o-Cresol)	572	ug/L	250	14.9	50	09/01/20 09:59	09/10/20 20:36	95-48-7	
2-Nitroaniline	ND	ug/L	250	19.9	50	09/01/20 09:59	09/10/20 20:36	88-74-4	
2-Nitrophenol	ND	ug/L	250	19.4	50	09/01/20 09:59	09/10/20 20:36	88-75-5	
3&4-Methylphenol(m&p Cresol)	2540	ug/L	250	17.9	50	09/01/20 09:59	09/10/20 20:36		
3,3'-Dichlorobenzidine	ND	ug/L	250	26.4	50	09/01/20 09:59	09/10/20 20:36	91-94-1	
3-Nitroaniline	ND	ug/L	250	15.1	50	09/01/20 09:59	09/10/20 20:36	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	500	190	50	09/01/20 09:59	09/10/20 20:36	534-52-1	CL
4-Bromophenylphenyl ether	ND	ug/L	250	23.7	50	09/01/20 09:59	09/10/20 20:36	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	250	22.8	50	09/01/20 09:59	09/10/20 20:36	59-50-7	
4-Chloroaniline	ND	ug/L	250	18.8	50	09/01/20 09:59	09/10/20 20:36	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	250	18.7	50	09/01/20 09:59	09/10/20 20:36	7005-72-3	
4-Nitroaniline	ND	ug/L	250	19.7	50	09/01/20 09:59	09/10/20 20:36	100-01-6	
4-Nitrophenol	ND	ug/L	500	193	50	09/01/20 09:59	09/10/20 20:36	100-02-7	
Acenaphthene	ND	ug/L	250	13.2	50	09/01/20 09:59	09/10/20 20:36	83-32-9	
Acenaphthylene	ND	ug/L	250	17.1	50	09/01/20 09:59	09/10/20 20:36	208-96-8	
Anthracene	ND	ug/L	250	21.1	50	09/01/20 09:59	09/10/20 20:36	120-12-7	
Benzo(a)anthracene	ND	ug/L	250	22.0	50	09/01/20 09:59	09/10/20 20:36	56-55-3	
Benzo(a)pyrene	ND	ug/L	250	37.3	50	09/01/20 09:59	09/10/20 20:36	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	250	32.2	50	09/01/20 09:59	09/10/20 20:36	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	250	52.1	50	09/01/20 09:59	09/10/20 20:36	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	250	37.8	50	09/01/20 09:59	09/10/20 20:36	207-08-9	
Butylbenzylphthalate	ND	ug/L	250	20.1	50	09/01/20 09:59	09/10/20 20:36	85-68-7	
Carbazole	ND	ug/L	250	17.1	50	09/01/20 09:59	09/10/20 20:36	86-74-8	
Chrysene	ND	ug/L	250	23.5	50	09/01/20 09:59	09/10/20 20:36	218-01-9	
Di-n-butylphthalate	ND	ug/L	250	34.3	50	09/01/20 09:59	09/10/20 20:36	84-74-2	
Di-n-octylphthalate	ND	ug/L	250	128	50	09/01/20 09:59	09/10/20 20:36	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	250	46.3	50	09/01/20 09:59	09/10/20 20:36	53-70-3	
Dibenzofuran	ND	ug/L	250	18.5	50	09/01/20 09:59	09/10/20 20:36	132-64-9	
Diethylphthalate	ND	ug/L	250	20.8	50	09/01/20 09:59	09/10/20 20:36	84-66-2	
Dimethylphthalate	ND	ug/L	250	28.0	50	09/01/20 09:59	09/10/20 20:36	131-11-3	
Fluoranthene	ND	ug/L	250	19.8	50	09/01/20 09:59	09/10/20 20:36	206-44-0	
Fluorene	ND	ug/L	250	18.8	50	09/01/20 09:59	09/10/20 20:36	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	250	22.9	50	09/01/20 09:59	09/10/20 20:36	87-68-3	L2
Hexachlorobenzene	ND	ug/L	250	17.3	50	09/01/20 09:59	09/10/20 20:36	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	250	110	50	09/01/20 09:59	09/10/20 20:36	77-47-4	
Hexachloroethane	ND	ug/L	250	21.6	50	09/01/20 09:59	09/10/20 20:36	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	250	43.8	50	09/01/20 09:59	09/10/20 20:36	193-39-5	
Isophorone	ND	ug/L	250	19.6	50	09/01/20 09:59	09/10/20 20:36	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	250	21.1	50	09/01/20 09:59	09/10/20 20:36	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	250	17.4	50	09/01/20 09:59	09/10/20 20:36	86-30-6	L1
Naphthalene	ND	ug/L	250	18.6	50	09/01/20 09:59	09/10/20 20:36	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-6 082620 Lab ID: 30379383006 Collected: 08/26/20 10:00 Received: 08/26/20 13:30 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
Nitrobenzene	ND	ug/L	250	25.1	50	09/01/20 09:59	09/10/20 20:36	98-95-3	CL
Pentachlorophenol	ND	ug/L	500	172	50	09/01/20 09:59	09/10/20 20:36	87-86-5	
Phenanthrene	ND	ug/L	250	17.4	50	09/01/20 09:59	09/10/20 20:36	85-01-8	
Phenol	989	ug/L	250	15.0	50	09/01/20 09:59	09/10/20 20:36	108-95-2	
Pyrene	ND	ug/L	250	20.6	50	09/01/20 09:59	09/10/20 20:36	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	250	19.0	50	09/01/20 09:59	09/10/20 20:36	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	250	16.7	50	09/01/20 09:59	09/10/20 20:36	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	250	73.5	50	09/01/20 09:59	09/10/20 20:36	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	84	%	35-114		50	09/01/20 09:59	09/10/20 20:36	4165-60-0	
2-Fluorobiphenyl (S)	72	%	43-116		50	09/01/20 09:59	09/10/20 20:36	321-60-8	
p-Terphenyl-d14 (S)	94	%	33-141		50	09/01/20 09:59	09/10/20 20:36	1718-51-0	
Phenol-d5 (S)	22	%	10-110		50	09/01/20 09:59	09/10/20 20:36	4165-62-2	
2-Fluorophenol (S)	34	%	21-110		50	09/01/20 09:59	09/10/20 20:36	367-12-4	
2,4,6-Tribromophenol (S)	76	%	10-123		50	09/01/20 09:59	09/10/20 20:36	118-79-6	
2-Chlorophenol-d4 (S)	65	%	33-110		50	09/01/20 09:59	09/10/20 20:36	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	44	%	16-110		50	09/01/20 09:59	09/10/20 20:36	2199-69-1	
8260C Volatile Organics Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 00:44	630-20-6	
1,1,1-Trichloroethane	953	ug/L	400	88.4	400		09/04/20 17:44	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 00:44	79-34-5	
1,1,2-Trichloroethane	5.5	ug/L	1.0	0.23	1		09/04/20 00:44	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/04/20 00:44	76-13-1	
1,1-Dichloroethane	773	ug/L	400	76.0	400		09/04/20 17:44	75-34-3	
1,1-Dichloroethene	139	ug/L	1.0	0.23	1		09/04/20 00:44	75-35-4	
1,2,3-Trichlorobenzene	131	ug/L	1.0	0.64	1		09/04/20 00:44	87-61-6	
1,2,4-Trichlorobenzene	448	ug/L	400	180	400		09/04/20 17:44	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 00:44	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 00:44	106-93-4	
1,2-Dichlorobenzene	26.6	ug/L	1.0	0.17	1		09/04/20 00:44	95-50-1	
1,2-Dichloroethane	5460	ug/L	400	75.2	400		09/04/20 17:44	107-06-2	
1,2-Dichloropropane	4.5	ug/L	1.0	0.43	1		09/04/20 00:44	78-87-5	
1,3-Dichlorobenzene	8.2	ug/L	1.0	0.23	1		09/04/20 00:44	541-73-1	
1,4-Dichlorobenzene	171	ug/L	1.0	0.25	1		09/04/20 00:44	106-46-7	
2-Butanone (MEK)	222	ug/L	5.0	1.3	1		09/04/20 00:44	78-93-3	CH,E,IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 00:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	167	ug/L	5.0	0.39	1		09/04/20 00:44	108-10-1	
Acetone	4990	ug/L	2000	622	400		09/04/20 17:44	67-64-1	CH
Benzene	31100	ug/L	400	88.4	400		09/04/20 17:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 00:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 00:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 00:44	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 00:44	75-25-2	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-6 082620		Lab ID: 30379383006		Collected: 08/26/20 10:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island							
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 00:44	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 00:44	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 00:44	56-23-5	
Chlorobenzene	12200	ug/L	400	74.0	400		09/04/20 17:44	108-90-7	
Chloroethane	9.4	ug/L	1.0	0.35	1		09/04/20 00:44	75-00-3	
Chloroform	602	ug/L	400	78.4	400		09/04/20 17:44	67-66-3	
Chloromethane	2.9	ug/L	1.0	0.20	1		09/04/20 00:44	74-87-3	
Cyclohexane	34.0	ug/L	1.0	0.87	1		09/04/20 00:44	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 00:44	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 00:44	75-71-8	
Ethylbenzene	1200	ug/L	400	64.4	400		09/04/20 17:44	100-41-4	
Isopropylbenzene (Cumene)	14.1	ug/L	1.0	0.23	1		09/04/20 00:44	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 00:44	79-20-9	
Methyl-tert-butyl ether	1.3	ug/L	1.0	0.28	1		09/04/20 00:44	1634-04-4	
Methylcyclohexane	7.6	ug/L	1.0	0.22	1		09/04/20 00:44	108-87-2	
Methylene Chloride	1210	ug/L	400	119	400		09/04/20 17:44	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 00:44	100-42-5	
Tetrachloroethene	33.3	ug/L	1.0	0.28	1		09/04/20 00:44	127-18-4	
Toluene	67000	ug/L	400	82.0	400		09/04/20 17:44	108-88-3	
Trichloroethene	165	ug/L	1.0	0.22	1		09/04/20 00:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/04/20 00:44	75-69-4	
Vinyl chloride	2240	ug/L	400	134	400		09/04/20 17:44	75-01-4	
cis-1,2-Dichloroethene	15100	ug/L	400	97.2	400		09/04/20 17:44	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 00:44	10061-01-5	
m&p-Xylene	4710	ug/L	800	132	400		09/04/20 17:44	179601-23-1	
o-Xylene	1360	ug/L	400	70.4	400		09/04/20 17:44	95-47-6	
trans-1,2-Dichloroethene	90.1	ug/L	1.0	0.19	1		09/04/20 00:44	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 00:44	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	35	%	68-153		1		09/04/20 00:44	17060-07-0	S0
4-Bromofluorobenzene (S)	111	%	79-124		1		09/04/20 00:44	460-00-4	
Toluene-d8 (S)	61	%	69-124		1		09/04/20 00:44	2037-26-5	S0

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-7 082620		Lab ID: 30379383007		Collected: 08/26/20 10:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Greensburg									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.25	0.14	1	08/30/20 10:08	09/03/20 03:23	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.25	0.17	1	08/30/20 10:08	09/03/20 03:23	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.25	0.074	1	08/30/20 10:08	09/03/20 03:23	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.25	0.11	1	08/30/20 10:08	09/03/20 03:23	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.25	0.095	1	08/30/20 10:08	09/03/20 03:23	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.25	0.023	1	08/30/20 10:08	09/03/20 03:23	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.25	0.025	1	08/30/20 10:08	09/03/20 03:23	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	63	%	39-120		1	08/30/20 10:08	09/03/20 03:23	877-09-8	
Decachlorobiphenyl (S)	60	%	10-133		1	08/30/20 10:08	09/03/20 03:23	2051-24-3	CL
6010 MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3005A									
Pace Analytical Services - Long Island									
Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 00:49	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 00:49	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:49	7440-38-2	
Barium	4720	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 00:49	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 00:49	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 00:49	7440-43-9	
Calcium	184000	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 00:49	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 00:49	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 00:49	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 00:49	7440-50-8	
Iron	828	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 00:49	7439-89-6	
Lead	6.1	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 00:49	7439-92-1	
Magnesium	49200	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 00:49	7439-95-4	
Manganese	1240	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 00:49	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 00:49	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 00:49	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 00:49	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 00:49	7440-22-4	
Sodium	25100	ug/L	5000	374	1	09/09/20 09:54	09/16/20 00:49	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:49	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 00:49	7440-62-2	
Zinc	ND	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 00:49	7440-66-6	
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
2,2'-Oxybis(1-chloropropane)	ND	ug/L	250	19.0	50	09/01/20 09:59	09/10/20 21:08	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	250	17.0	50	09/01/20 09:59	09/10/20 21:08	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	250	16.7	50	09/01/20 09:59	09/10/20 21:08	88-06-2	
2,4-Dichlorophenol	ND	ug/L	250	16.5	50	09/01/20 09:59	09/10/20 21:08	120-83-2	
2,4-Dimethylphenol	372	ug/L	250	30.1	50	09/01/20 09:59	09/10/20 21:08	105-67-9	
2,4-Dinitrophenol	ND	ug/L	500	284	50	09/01/20 09:59	09/10/20 21:08	51-28-5	CL
2,4-Dinitrotoluene	ND	ug/L	250	17.4	50	09/01/20 09:59	09/10/20 21:08	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-7 082620		Lab ID: 30379383007		Collected: 08/26/20 10:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,6-Dinitrotoluene	ND	ug/L	250	22.2	50	09/01/20 09:59	09/10/20 21:08	606-20-2	
2-Chloronaphthalene	ND	ug/L	250	16.5	50	09/01/20 09:59	09/10/20 21:08	91-58-7	
2-Chlorophenol	ND	ug/L	250	18.7	50	09/01/20 09:59	09/10/20 21:08	95-57-8	
2-Methylnaphthalene	ND	ug/L	250	17.0	50	09/01/20 09:59	09/10/20 21:08	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	250	14.9	50	09/01/20 09:59	09/10/20 21:08	95-48-7	
2-Nitroaniline	ND	ug/L	250	19.9	50	09/01/20 09:59	09/10/20 21:08	88-74-4	
2-Nitrophenol	ND	ug/L	250	19.4	50	09/01/20 09:59	09/10/20 21:08	88-75-5	
3&4-Methylphenol(m&p Cresol)	1270	ug/L	250	17.9	50	09/01/20 09:59	09/10/20 21:08		
3,3'-Dichlorobenzidine	ND	ug/L	250	26.4	50	09/01/20 09:59	09/10/20 21:08	91-94-1	
3-Nitroaniline	ND	ug/L	250	15.1	50	09/01/20 09:59	09/10/20 21:08	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	500	190	50	09/01/20 09:59	09/10/20 21:08	534-52-1	CL
4-Bromophenylphenyl ether	ND	ug/L	250	23.7	50	09/01/20 09:59	09/10/20 21:08	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	250	22.8	50	09/01/20 09:59	09/10/20 21:08	59-50-7	
4-Chloroaniline	ND	ug/L	250	18.8	50	09/01/20 09:59	09/10/20 21:08	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	250	18.7	50	09/01/20 09:59	09/10/20 21:08	7005-72-3	
4-Nitroaniline	ND	ug/L	250	19.7	50	09/01/20 09:59	09/10/20 21:08	100-01-6	
4-Nitrophenol	ND	ug/L	500	193	50	09/01/20 09:59	09/10/20 21:08	100-02-7	
Acenaphthene	ND	ug/L	250	13.2	50	09/01/20 09:59	09/10/20 21:08	83-32-9	
Acenaphthylene	ND	ug/L	250	17.1	50	09/01/20 09:59	09/10/20 21:08	208-96-8	
Anthracene	ND	ug/L	250	21.1	50	09/01/20 09:59	09/10/20 21:08	120-12-7	
Benzo(a)anthracene	ND	ug/L	250	22.0	50	09/01/20 09:59	09/10/20 21:08	56-55-3	
Benzo(a)pyrene	ND	ug/L	250	37.3	50	09/01/20 09:59	09/10/20 21:08	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	250	32.2	50	09/01/20 09:59	09/10/20 21:08	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	250	52.1	50	09/01/20 09:59	09/10/20 21:08	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	250	37.8	50	09/01/20 09:59	09/10/20 21:08	207-08-9	
Butylbenzylphthalate	ND	ug/L	250	20.1	50	09/01/20 09:59	09/10/20 21:08	85-68-7	
Carbazole	ND	ug/L	250	17.1	50	09/01/20 09:59	09/10/20 21:08	86-74-8	
Chrysene	ND	ug/L	250	23.5	50	09/01/20 09:59	09/10/20 21:08	218-01-9	
Di-n-butylphthalate	ND	ug/L	250	34.3	50	09/01/20 09:59	09/10/20 21:08	84-74-2	
Di-n-octylphthalate	ND	ug/L	250	128	50	09/01/20 09:59	09/10/20 21:08	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	250	46.3	50	09/01/20 09:59	09/10/20 21:08	53-70-3	
Dibenzofuran	ND	ug/L	250	18.5	50	09/01/20 09:59	09/10/20 21:08	132-64-9	
Diethylphthalate	ND	ug/L	250	20.8	50	09/01/20 09:59	09/10/20 21:08	84-66-2	
Dimethylphthalate	ND	ug/L	250	28.0	50	09/01/20 09:59	09/10/20 21:08	131-11-3	
Fluoranthene	ND	ug/L	250	19.8	50	09/01/20 09:59	09/10/20 21:08	206-44-0	
Fluorene	ND	ug/L	250	18.8	50	09/01/20 09:59	09/10/20 21:08	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	250	22.9	50	09/01/20 09:59	09/10/20 21:08	87-68-3	L2
Hexachlorobenzene	ND	ug/L	250	17.3	50	09/01/20 09:59	09/10/20 21:08	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	250	110	50	09/01/20 09:59	09/10/20 21:08	77-47-4	
Hexachloroethane	ND	ug/L	250	21.6	50	09/01/20 09:59	09/10/20 21:08	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	250	43.8	50	09/01/20 09:59	09/10/20 21:08	193-39-5	
Isophorone	ND	ug/L	250	19.6	50	09/01/20 09:59	09/10/20 21:08	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	250	21.1	50	09/01/20 09:59	09/10/20 21:08	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	250	17.4	50	09/01/20 09:59	09/10/20 21:08	86-30-6	L1
Naphthalene	ND	ug/L	250	18.6	50	09/01/20 09:59	09/10/20 21:08	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-7 082620		Lab ID: 30379383007		Collected: 08/26/20 10:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
Nitrobenzene	ND	ug/L	250	25.1	50	09/01/20 09:59	09/10/20 21:08	98-95-3	CL
Pentachlorophenol	ND	ug/L	500	172	50	09/01/20 09:59	09/10/20 21:08	87-86-5	
Phenanthrene	ND	ug/L	250	17.4	50	09/01/20 09:59	09/10/20 21:08	85-01-8	
Phenol	ND	ug/L	250	15.0	50	09/01/20 09:59	09/10/20 21:08	108-95-2	
Pyrene	ND	ug/L	250	20.6	50	09/01/20 09:59	09/10/20 21:08	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	250	19.0	50	09/01/20 09:59	09/10/20 21:08	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	250	16.7	50	09/01/20 09:59	09/10/20 21:08	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	250	73.5	50	09/01/20 09:59	09/10/20 21:08	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	93	%	35-114		50	09/01/20 09:59	09/10/20 21:08	4165-60-0	
2-Fluorobiphenyl (S)	81	%	43-116		50	09/01/20 09:59	09/10/20 21:08	321-60-8	
p-Terphenyl-d14 (S)	104	%	33-141		50	09/01/20 09:59	09/10/20 21:08	1718-51-0	
Phenol-d5 (S)	23	%	10-110		50	09/01/20 09:59	09/10/20 21:08	4165-62-2	
2-Fluorophenol (S)	31	%	21-110		50	09/01/20 09:59	09/10/20 21:08	367-12-4	
2,4,6-Tribromophenol (S)	73	%	10-123		50	09/01/20 09:59	09/10/20 21:08	118-79-6	
2-Chlorophenol-d4 (S)	74	%	33-110		50	09/01/20 09:59	09/10/20 21:08	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	58	%	16-110		50	09/01/20 09:59	09/10/20 21:08	2199-69-1	
8260C Volatile Organics Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 00:24	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.22	1		09/04/20 00:24	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 00:24	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		09/04/20 00:24	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/04/20 00:24	76-13-1	
1,1-Dichloroethane	198	ug/L	1.0	0.19	1		09/04/20 00:24	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.23	1		09/04/20 00:24	75-35-4	
1,2,3-Trichlorobenzene	6.7	ug/L	1.0	0.64	1		09/04/20 00:24	87-61-6	
1,2,4-Trichlorobenzene	2.6	ug/L	1.0	0.45	1		09/04/20 00:24	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 00:24	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 00:24	106-93-4	
1,2-Dichlorobenzene	8.4	ug/L	1.0	0.17	1		09/04/20 00:24	95-50-1	
1,2-Dichloroethane	15.4	ug/L	1.0	0.19	1		09/04/20 00:24	107-06-2	
1,2-Dichloropropane	1.9	ug/L	1.0	0.43	1		09/04/20 00:24	78-87-5	
1,3-Dichlorobenzene	5.1	ug/L	1.0	0.23	1		09/04/20 00:24	541-73-1	
1,4-Dichlorobenzene	104	ug/L	1.0	0.25	1		09/04/20 00:24	106-46-7	
2-Butanone (MEK)	20.9	ug/L	5.0	1.3	1		09/04/20 00:24	78-93-3	CH,IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 00:24	591-78-6	
4-Methyl-2-pentanone (MIBK)	85.0	ug/L	5.0	0.39	1		09/04/20 00:24	108-10-1	
Acetone	315	ug/L	5.0	1.6	1		09/04/20 00:24	67-64-1	CH,E
Benzene	19600	ug/L	400	88.4	400		09/04/20 16:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 00:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 00:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 00:24	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 00:24	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-7 082620		Lab ID: 30379383007		Collected: 08/26/20 10:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island							
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 00:24	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 00:24	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 00:24	56-23-5	
Chlorobenzene	6080	ug/L	400	74.0	400		09/04/20 16:52	108-90-7	
Chloroethane	25.0	ug/L	1.0	0.35	1		09/04/20 00:24	75-00-3	
Chloroform	ND	ug/L	1.0	0.20	1		09/04/20 00:24	67-66-3	
Chloromethane	ND	ug/L	1.0	0.20	1		09/04/20 00:24	74-87-3	
Cyclohexane	23.2	ug/L	1.0	0.87	1		09/04/20 00:24	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 00:24	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 00:24	75-71-8	
Ethylbenzene	690	ug/L	400	64.4	400		09/04/20 16:52	100-41-4	
Isopropylbenzene (Cumene)	6.1	ug/L	1.0	0.23	1		09/04/20 00:24	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 00:24	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/04/20 00:24	1634-04-4	
Methylcyclohexane	2.9	ug/L	1.0	0.22	1		09/04/20 00:24	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.30	1		09/04/20 00:24	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 00:24	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.28	1		09/04/20 00:24	127-18-4	
Toluene	50700	ug/L	400	82.0	400		09/04/20 16:52	108-88-3	
Trichloroethene	ND	ug/L	1.0	0.22	1		09/04/20 00:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/04/20 00:24	75-69-4	
Vinyl chloride	852	ug/L	400	134	400		09/04/20 16:52	75-01-4	
cis-1,2-Dichloroethene	447	ug/L	400	97.2	400		09/04/20 16:52	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 00:24	10061-01-5	
m&p-Xylene	2860	ug/L	800	132	400		09/04/20 16:52	179601-23-1	
o-Xylene	841	ug/L	400	70.4	400		09/04/20 16:52	95-47-6	
trans-1,2-Dichloroethene	47.7	ug/L	1.0	0.19	1		09/04/20 00:24	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 00:24	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	49	%	68-153		1		09/04/20 00:24	17060-07-0	S0
4-Bromofluorobenzene (S)	98	%	79-124		1		09/04/20 00:24	460-00-4	
Toluene-d8 (S)	75	%	69-124		1		09/04/20 00:24	2037-26-5	

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-8 082620		Lab ID: 30379383008		Collected: 08/26/20 00:00		Received: 08/26/20 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8082A GCS PCB									
Analytical Method: EPA 8082A Preparation Method: EPA 3510C									
Pace Analytical Services - Greensburg									
PCB-1016 (Aroclor 1016)	ND	ug/L	0.24	0.13	1	08/30/20 10:08	09/03/20 03:31	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.24	0.16	1	08/30/20 10:08	09/03/20 03:31	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.24	0.070	1	08/30/20 10:08	09/03/20 03:31	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.24	0.10	1	08/30/20 10:08	09/03/20 03:31	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.24	0.090	1	08/30/20 10:08	09/03/20 03:31	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.24	0.022	1	08/30/20 10:08	09/03/20 03:31	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.24	0.024	1	08/30/20 10:08	09/03/20 03:31	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	68	%	39-120		1	08/30/20 10:08	09/03/20 03:31	877-09-8	
Decachlorobiphenyl (S)	58	%	10-133		1	08/30/20 10:08	09/03/20 03:31	2051-24-3	CL
6010 MET ICP									
Analytical Method: EPA 6010C Preparation Method: EPA 3005A									
Pace Analytical Services - Long Island									
Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 00:55	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 00:55	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:55	7440-38-2	
Barium	ND	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 00:55	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 00:55	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 00:55	7440-43-9	
Calcium	10100	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 00:55	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 00:55	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 00:55	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 00:55	7440-50-8	
Iron	40.6	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 00:55	7439-89-6	
Lead	ND	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 00:55	7439-92-1	
Magnesium	874	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 00:55	7439-95-4	
Manganese	160	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 00:55	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 00:55	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 00:55	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 00:55	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 00:55	7440-22-4	M1
Sodium	123000	ug/L	5000	374	1	09/09/20 09:54	09/16/20 00:55	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 00:55	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 00:55	7440-62-2	
Zinc	ND	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 00:55	7440-66-6	
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
2,2'-Oxybis(1-chloropropane)	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	88-06-2	
2,4-Dichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	120-83-2	
2,4-Dimethylphenol	ND	ug/L	25.0	3.0	5	09/01/20 09:59	09/10/20 21:40	105-67-9	M1
2,4-Dinitrophenol	ND	ug/L	50.0	28.4	5	09/01/20 09:59	09/10/20 21:40	51-28-5	CL,M1
2,4-Dinitrotoluene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-8 082620		Lab ID: 30379383008		Collected: 08/26/20 00:00		Received: 08/26/20 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,6-Dinitrotoluene	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 21:40	606-20-2	
2-Chloronaphthalene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	91-58-7	
2-Chlorophenol	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	95-57-8	
2-Methylnaphthalene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 21:40	95-48-7	
2-Nitroaniline	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 21:40	88-74-4	
2-Nitrophenol	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	25.0	1.8	5	09/01/20 09:59	09/10/20 21:40		
3,3'-Dichlorobenzidine	ND	ug/L	25.0	2.6	5	09/01/20 09:59	09/10/20 21:40	91-94-1	M1
3-Nitroaniline	ND	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 21:40	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	19.0	5	09/01/20 09:59	09/10/20 21:40	534-52-1	CL
4-Bromophenylphenyl ether	ND	ug/L	25.0	2.4	5	09/01/20 09:59	09/10/20 21:40	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 21:40	59-50-7	
4-Chloroaniline	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	7005-72-3	
4-Nitroaniline	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 21:40	100-01-6	
4-Nitrophenol	ND	ug/L	50.0	19.3	5	09/01/20 09:59	09/10/20 21:40	100-02-7	
Acenaphthene	ND	ug/L	25.0	1.3	5	09/01/20 09:59	09/10/20 21:40	83-32-9	
Acenaphthylene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	208-96-8	
Anthracene	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 21:40	120-12-7	
Benzo(a)anthracene	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 21:40	56-55-3	M1
Benzo(a)pyrene	ND	ug/L	25.0	3.7	5	09/01/20 09:59	09/10/20 21:40	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	25.0	3.2	5	09/01/20 09:59	09/10/20 21:40	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	25.0	5.2	5	09/01/20 09:59	09/10/20 21:40	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	25.0	3.8	5	09/01/20 09:59	09/10/20 21:40	207-08-9	
Butylbenzylphthalate	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 21:40	85-68-7	M1
Carbazole	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	86-74-8	
Chrysene	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 21:40	218-01-9	
Di-n-butylphthalate	ND	ug/L	25.0	3.4	5	09/01/20 09:59	09/10/20 21:40	84-74-2	
Di-n-octylphthalate	ND	ug/L	25.0	12.8	5	09/01/20 09:59	09/10/20 21:40	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	25.0	4.6	5	09/01/20 09:59	09/10/20 21:40	53-70-3	
Dibenzofuran	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	132-64-9	
Diethylphthalate	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 21:40	84-66-2	
Dimethylphthalate	ND	ug/L	25.0	2.8	5	09/01/20 09:59	09/10/20 21:40	131-11-3	
Fluoranthene	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 21:40	206-44-0	
Fluorene	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 21:40	87-68-3	L2
Hexachlorobenzene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	25.0	11.0	5	09/01/20 09:59	09/10/20 21:40	77-47-4	
Hexachloroethane	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 21:40	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	25.0	4.4	5	09/01/20 09:59	09/10/20 21:40	193-39-5	
Isophorone	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 21:40	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 21:40	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	86-30-6	L1,M0
Naphthalene	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-8 082620		Lab ID: 30379383008		Collected: 08/26/20 00:00		Received: 08/26/20 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV									
Analytical Method: EPA 8270D Preparation Method: EPA 3510C									
Pace Analytical Services - Long Island									
Nitrobenzene	ND	ug/L	25.0	2.5	5	09/01/20 09:59	09/10/20 21:40	98-95-3	CL
Pentachlorophenol	ND	ug/L	50.0	17.2	5	09/01/20 09:59	09/10/20 21:40	87-86-5	
Phenanthrene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	85-01-8	
Phenol	ND	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 21:40	108-95-2	
Pyrene	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 21:40	129-00-0	M1
bis(2-Chloroethoxy)methane	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 21:40	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 21:40	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	25.0	7.3	5	09/01/20 09:59	09/10/20 21:40	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	102	%	35-114		5	09/01/20 09:59	09/10/20 21:40	4165-60-0	S3
2-Fluorobiphenyl (S)	91	%	43-116		5	09/01/20 09:59	09/10/20 21:40	321-60-8	
p-Terphenyl-d14 (S)	145	%	33-141		5	09/01/20 09:59	09/10/20 21:40	1718-51-0	
Phenol-d5 (S)	24	%	10-110		5	09/01/20 09:59	09/10/20 21:40	4165-62-2	
2-Fluorophenol (S)	41	%	21-110		5	09/01/20 09:59	09/10/20 21:40	367-12-4	
2,4,6-Tribromophenol (S)	83	%	10-123		5	09/01/20 09:59	09/10/20 21:40	118-79-6	
2-Chlorophenol-d4 (S)	81	%	33-110		5	09/01/20 09:59	09/10/20 21:40	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	70	%	16-110		5	09/01/20 09:59	09/10/20 21:40	2199-69-1	
8260C Volatile Organics									
Analytical Method: EPA 8260C/5030C									
Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 22:14	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.22	1		09/04/20 22:14	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 22:14	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		09/04/20 22:14	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/04/20 22:14	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.19	1		09/04/20 22:14	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.23	1		09/04/20 22:14	75-35-4	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.64	1		09/04/20 22:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.45	1		09/04/20 22:14	120-82-1	L1,M0
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 22:14	96-12-8	M1
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 22:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.17	1		09/04/20 22:14	95-50-1	
1,2-Dichloroethane	1.3	ug/L	1.0	0.19	1		09/04/20 22:14	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.43	1		09/04/20 22:14	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.23	1		09/04/20 22:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.25	1		09/04/20 22:14	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1.3	1		09/04/20 22:14	78-93-3	
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 22:14	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.39	1		09/04/20 22:14	108-10-1	
Acetone	ND	ug/L	5.0	1.6	1		09/04/20 22:14	67-64-1	
Benzene	679	ug/L	5.0	1.1	5		09/08/20 17:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 22:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 22:14	74-97-5	M1
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 22:14	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 22:14	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: EW-8 082620		Lab ID: 30379383008		Collected: 08/26/20 00:00		Received: 08/26/20 11:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island							
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 22:14	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 22:14	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 22:14	56-23-5	
Chlorobenzene	40.4	ug/L	1.0	0.18	1		09/04/20 22:14	108-90-7	
Chloroethane	1.9	ug/L	1.0	0.35	1		09/04/20 22:14	75-00-3	
Chloroform	ND	ug/L	1.0	0.20	1		09/04/20 22:14	67-66-3	
Chloromethane	ND	ug/L	1.0	0.20	1		09/04/20 22:14	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.87	1		09/04/20 22:14	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 22:14	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 22:14	75-71-8	CL
Ethylbenzene	1.9	ug/L	1.0	0.16	1		09/04/20 22:14	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.23	1		09/04/20 22:14	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 22:14	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/04/20 22:14	1634-04-4	
Methylcyclohexane	ND	ug/L	1.0	0.22	1		09/04/20 22:14	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.30	1		09/04/20 22:14	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 22:14	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.28	1		09/04/20 22:14	127-18-4	
Toluene	3.5	ug/L	1.0	0.20	1		09/04/20 22:14	108-88-3	
Trichloroethene	2.3	ug/L	1.0	0.22	1		09/04/20 22:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/04/20 22:14	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.33	1		09/04/20 22:14	75-01-4	
cis-1,2-Dichloroethene	5.1	ug/L	1.0	0.24	1		09/04/20 22:14	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 22:14	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	0.33	1		09/04/20 22:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.18	1		09/04/20 22:14	95-47-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		09/04/20 22:14	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 22:14	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	68-153		1		09/04/20 22:14	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124		1		09/04/20 22:14	460-00-4	
Toluene-d8 (S)	98	%	69-124		1		09/04/20 22:14	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: DUP-1 082620 (blind dup of EW-8)		Lab ID: 30379383009	Collected: 08/26/20 00:00	Received: 08/26/20 13:30	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual

8082A GCS PCB

Analytical Method: EPA 8082A Preparation Method: EPA 3510C
Pace Analytical Services - Greensburg

PCB-1016 (Aroclor 1016)	ND	ug/L	0.24	0.13	1	08/30/20 10:08	09/03/20 04:05	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/L	0.24	0.16	1	08/30/20 10:08	09/03/20 04:05	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	0.24	0.070	1	08/30/20 10:08	09/03/20 04:05	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	0.24	0.10	1	08/30/20 10:08	09/03/20 04:05	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	0.24	0.090	1	08/30/20 10:08	09/03/20 04:05	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	0.24	0.022	1	08/30/20 10:08	09/03/20 04:05	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	0.24	0.024	1	08/30/20 10:08	09/03/20 04:05	11096-82-5	
Surrogates									
Tetrachloro-m-xylene (S)	73	%	39-120		1	08/30/20 10:08	09/03/20 04:05	877-09-8	
Decachlorobiphenyl (S)	62	%	10-133		1	08/30/20 10:08	09/03/20 04:05	2051-24-3	CL

6010 MET ICP

Analytical Method: EPA 6010C Preparation Method: EPA 3005A
Pace Analytical Services - Long Island

Aluminum	ND	ug/L	200	31.9	1	09/09/20 09:54	09/16/20 01:17	7429-90-5	
Antimony	ND	ug/L	60.0	9.9	1	09/09/20 09:54	09/16/20 01:17	7440-36-0	
Arsenic	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 01:17	7440-38-2	
Barium	ND	ug/L	200	19.8	1	09/09/20 09:54	09/16/20 01:17	7440-39-3	
Beryllium	ND	ug/L	5.0	0.27	1	09/09/20 09:54	09/16/20 01:17	7440-41-7	
Cadmium	ND	ug/L	2.5	0.59	1	09/09/20 09:54	09/16/20 01:17	7440-43-9	
Calcium	10000	ug/L	200	24.0	1	09/09/20 09:54	09/16/20 01:17	7440-70-2	
Chromium	ND	ug/L	10.0	3.4	1	09/09/20 09:54	09/16/20 01:17	7440-47-3	
Cobalt	ND	ug/L	50.0	2.9	1	09/09/20 09:54	09/16/20 01:17	7440-48-4	
Copper	ND	ug/L	25.0	2.5	1	09/09/20 09:54	09/16/20 01:17	7440-50-8	
Iron	ND	ug/L	20.0	10.2	1	09/09/20 09:54	09/16/20 01:17	7439-89-6	
Lead	ND	ug/L	5.0	2.9	1	09/09/20 09:54	09/16/20 01:17	7439-92-1	
Magnesium	825	ug/L	200	54.7	1	09/09/20 09:54	09/16/20 01:17	7439-95-4	
Manganese	162	ug/L	10.0	0.87	1	09/09/20 09:54	09/16/20 01:17	7439-96-5	
Nickel	ND	ug/L	40.0	1.4	1	09/09/20 09:54	09/16/20 01:17	7440-02-0	
Potassium	ND	ug/L	5000	1290	1	09/09/20 09:54	09/16/20 01:17	7440-09-7	
Selenium	ND	ug/L	10.0	7.4	1	09/09/20 09:54	09/16/20 01:17	7782-49-2	
Silver	ND	ug/L	10.0	3.6	1	09/09/20 09:54	09/16/20 01:17	7440-22-4	
Sodium	124000	ug/L	5000	374	1	09/09/20 09:54	09/16/20 01:17	7440-23-5	
Thallium	ND	ug/L	10.0	5.1	1	09/09/20 09:54	09/16/20 01:17	7440-28-0	
Vanadium	ND	ug/L	50.0	4.4	1	09/09/20 09:54	09/16/20 01:17	7440-62-2	
Zinc	ND	ug/L	20.0	2.0	1	09/09/20 09:54	09/16/20 01:17	7440-66-6	

8270 MSSV

Analytical Method: EPA 8270D Preparation Method: EPA 3510C
Pace Analytical Services - Long Island

2,2'-Oxybis(1-chloropropane)	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	108-60-1	
2,4,5-Trichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	95-95-4	
2,4,6-Trichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	88-06-2	
2,4-Dichlorophenol	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	120-83-2	
2,4-Dimethylphenol	ND	ug/L	25.0	3.0	5	09/01/20 09:59	09/10/20 23:16	105-67-9	
2,4-Dinitrophenol	ND	ug/L	50.0	28.4	5	09/01/20 09:59	09/10/20 23:16	51-28-5	CL
2,4-Dinitrotoluene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	121-14-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: DUP-1 082620 (blind dup of EW-8)		Lab ID: 30379383009		Collected: 08/26/20 00:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
2,6-Dinitrotoluene	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 23:16	606-20-2	
2-Chloronaphthalene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	91-58-7	
2-Chlorophenol	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	95-57-8	
2-Methylnaphthalene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	91-57-6	
2-Methylphenol(o-Cresol)	ND	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 23:16	95-48-7	
2-Nitroaniline	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 23:16	88-74-4	
2-Nitrophenol	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	88-75-5	
3&4-Methylphenol(m&p Cresol)	ND	ug/L	25.0	1.8	5	09/01/20 09:59	09/10/20 23:16		
3,3'-Dichlorobenzidine	ND	ug/L	25.0	2.6	5	09/01/20 09:59	09/10/20 23:16	91-94-1	
3-Nitroaniline	ND	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 23:16	99-09-2	
4,6-Dinitro-2-methylphenol	ND	ug/L	50.0	19.0	5	09/01/20 09:59	09/10/20 23:16	534-52-1	CL
4-Bromophenylphenyl ether	ND	ug/L	25.0	2.4	5	09/01/20 09:59	09/10/20 23:16	101-55-3	
4-Chloro-3-methylphenol	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 23:16	59-50-7	
4-Chloroaniline	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	106-47-8	
4-Chlorophenylphenyl ether	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	7005-72-3	
4-Nitroaniline	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 23:16	100-01-6	
4-Nitrophenol	ND	ug/L	50.0	19.3	5	09/01/20 09:59	09/10/20 23:16	100-02-7	
Acenaphthene	ND	ug/L	25.0	1.3	5	09/01/20 09:59	09/10/20 23:16	83-32-9	
Acenaphthylene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	208-96-8	
Anthracene	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 23:16	120-12-7	
Benzo(a)anthracene	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 23:16	56-55-3	
Benzo(a)pyrene	ND	ug/L	25.0	3.7	5	09/01/20 09:59	09/10/20 23:16	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	25.0	3.2	5	09/01/20 09:59	09/10/20 23:16	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	25.0	5.2	5	09/01/20 09:59	09/10/20 23:16	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	25.0	3.8	5	09/01/20 09:59	09/10/20 23:16	207-08-9	
Butylbenzylphthalate	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 23:16	85-68-7	
Carbazole	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	86-74-8	
Chrysene	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 23:16	218-01-9	
Di-n-butylphthalate	ND	ug/L	25.0	3.4	5	09/01/20 09:59	09/10/20 23:16	84-74-2	
Di-n-octylphthalate	ND	ug/L	25.0	12.8	5	09/01/20 09:59	09/10/20 23:16	117-84-0	
Dibenz(a,h)anthracene	ND	ug/L	25.0	4.6	5	09/01/20 09:59	09/10/20 23:16	53-70-3	
Dibenzofuran	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	132-64-9	
Diethylphthalate	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 23:16	84-66-2	
Dimethylphthalate	ND	ug/L	25.0	2.8	5	09/01/20 09:59	09/10/20 23:16	131-11-3	
Fluoranthene	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 23:16	206-44-0	
Fluorene	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	86-73-7	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	2.3	5	09/01/20 09:59	09/10/20 23:16	87-68-3	L2
Hexachlorobenzene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	118-74-1	
Hexachlorocyclopentadiene	ND	ug/L	25.0	11.0	5	09/01/20 09:59	09/10/20 23:16	77-47-4	
Hexachloroethane	ND	ug/L	25.0	2.2	5	09/01/20 09:59	09/10/20 23:16	67-72-1	L2
Indeno(1,2,3-cd)pyrene	ND	ug/L	25.0	4.4	5	09/01/20 09:59	09/10/20 23:16	193-39-5	
Isophorone	ND	ug/L	25.0	2.0	5	09/01/20 09:59	09/10/20 23:16	78-59-1	
N-Nitroso-di-n-propylamine	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 23:16	621-64-7	
N-Nitrosodiphenylamine	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	86-30-6	L1
Naphthalene	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	91-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: DUP-1 082620 (blind dup of EW-8)		Lab ID: 30379383009		Collected: 08/26/20 00:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV Analytical Method: EPA 8270D Preparation Method: EPA 3510C Pace Analytical Services - Long Island									
Nitrobenzene	ND	ug/L	25.0	2.5	5	09/01/20 09:59	09/10/20 23:16	98-95-3	CL
Pentachlorophenol	ND	ug/L	50.0	17.2	5	09/01/20 09:59	09/10/20 23:16	87-86-5	
Phenanthrene	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	85-01-8	
Phenol	ND	ug/L	25.0	1.5	5	09/01/20 09:59	09/10/20 23:16	108-95-2	
Pyrene	ND	ug/L	25.0	2.1	5	09/01/20 09:59	09/10/20 23:16	129-00-0	
bis(2-Chloroethoxy)methane	ND	ug/L	25.0	1.9	5	09/01/20 09:59	09/10/20 23:16	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	25.0	1.7	5	09/01/20 09:59	09/10/20 23:16	111-44-4	
bis(2-Ethylhexyl)phthalate	ND	ug/L	25.0	7.3	5	09/01/20 09:59	09/10/20 23:16	117-81-7	
Surrogates									
Nitrobenzene-d5 (S)	107	%	35-114		5	09/01/20 09:59	09/10/20 23:16	4165-60-0	S3
2-Fluorobiphenyl (S)	95	%	43-116		5	09/01/20 09:59	09/10/20 23:16	321-60-8	
p-Terphenyl-d14 (S)	144	%	33-141		5	09/01/20 09:59	09/10/20 23:16	1718-51-0	
Phenol-d5 (S)	26	%	10-110		5	09/01/20 09:59	09/10/20 23:16	4165-62-2	
2-Fluorophenol (S)	43	%	21-110		5	09/01/20 09:59	09/10/20 23:16	367-12-4	
2,4,6-Tribromophenol (S)	80	%	10-123		5	09/01/20 09:59	09/10/20 23:16	118-79-6	
2-Chlorophenol-d4 (S)	85	%	33-110		5	09/01/20 09:59	09/10/20 23:16	93951-73-6	
1,2-Dichlorobenzene-d4 (S)	67	%	16-110		5	09/01/20 09:59	09/10/20 23:16	2199-69-1	
8260C Volatile Organics Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/04/20 00:04	630-20-6	
1,1,1-Trichloroethane	ND	ug/L	1.0	0.22	1		09/04/20 00:04	71-55-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/04/20 00:04	79-34-5	
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		09/04/20 00:04	79-00-5	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/04/20 00:04	76-13-1	
1,1-Dichloroethane	ND	ug/L	1.0	0.19	1		09/04/20 00:04	75-34-3	
1,1-Dichloroethene	ND	ug/L	1.0	0.23	1		09/04/20 00:04	75-35-4	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.64	1		09/04/20 00:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.45	1		09/04/20 00:04	120-82-1	
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/04/20 00:04	96-12-8	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/04/20 00:04	106-93-4	
1,2-Dichlorobenzene	ND	ug/L	1.0	0.17	1		09/04/20 00:04	95-50-1	
1,2-Dichloroethane	1.3	ug/L	1.0	0.19	1		09/04/20 00:04	107-06-2	
1,2-Dichloropropane	ND	ug/L	1.0	0.43	1		09/04/20 00:04	78-87-5	
1,3-Dichlorobenzene	ND	ug/L	1.0	0.23	1		09/04/20 00:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	0.25	1		09/04/20 00:04	106-46-7	
2-Butanone (MEK)	ND	ug/L	5.0	1.3	1		09/04/20 00:04	78-93-3	IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/04/20 00:04	591-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.39	1		09/04/20 00:04	108-10-1	
Acetone	ND	ug/L	5.0	1.6	1		09/04/20 00:04	67-64-1	CH
Benzene	611	ug/L	5.0	1.1	5		09/04/20 16:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	0.21	1		09/04/20 00:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/04/20 00:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/04/20 00:04	75-27-4	
Bromoform	ND	ug/L	1.0	0.43	1		09/04/20 00:04	75-25-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: DUP-1 082620 (blind dup of EW-8)		Lab ID: 30379383009		Collected: 08/26/20 00:00		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island							
Bromomethane	ND	ug/L	1.0	0.43	1		09/04/20 00:04	74-83-9	
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/04/20 00:04	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/04/20 00:04	56-23-5	
Chlorobenzene	40.2	ug/L	1.0	0.18	1		09/04/20 00:04	108-90-7	
Chloroethane	ND	ug/L	1.0	0.35	1		09/04/20 00:04	75-00-3	
Chloroform	ND	ug/L	1.0	0.20	1		09/04/20 00:04	67-66-3	
Chloromethane	ND	ug/L	1.0	0.20	1		09/04/20 00:04	74-87-3	
Cyclohexane	ND	ug/L	1.0	0.87	1		09/04/20 00:04	110-82-7	
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/04/20 00:04	124-48-1	
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/04/20 00:04	75-71-8	
Ethylbenzene	1.8	ug/L	1.0	0.16	1		09/04/20 00:04	100-41-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.23	1		09/04/20 00:04	98-82-8	
Methyl acetate	ND	ug/L	1.0	0.57	1		09/04/20 00:04	79-20-9	
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/04/20 00:04	1634-04-4	
Methylcyclohexane	ND	ug/L	1.0	0.22	1		09/04/20 00:04	108-87-2	
Methylene Chloride	ND	ug/L	1.0	0.30	1		09/04/20 00:04	75-09-2	
Styrene	ND	ug/L	1.0	0.22	1		09/04/20 00:04	100-42-5	
Tetrachloroethene	ND	ug/L	1.0	0.28	1		09/04/20 00:04	127-18-4	
Toluene	3.4	ug/L	1.0	0.20	1		09/04/20 00:04	108-88-3	
Trichloroethene	2.1	ug/L	1.0	0.22	1		09/04/20 00:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/04/20 00:04	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.33	1		09/04/20 00:04	75-01-4	
cis-1,2-Dichloroethene	4.6	ug/L	1.0	0.24	1		09/04/20 00:04	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/04/20 00:04	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	0.33	1		09/04/20 00:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.18	1		09/04/20 00:04	95-47-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		09/04/20 00:04	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/04/20 00:04	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	68-153		1		09/04/20 00:04	17060-07-0	
4-Bromofluorobenzene (S)	103	%	79-124		1		09/04/20 00:04	460-00-4	
Toluene-d8 (S)	100	%	69-124		1		09/04/20 00:04	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: Trip Blank-1 082620 **Lab ID:** 30379383010 **Collected:** 08/26/20 07:30 **Received:** 08/26/20 13:30 **Matrix:** Water

Parameters	Results	Units	Report			DF	Prepared	Analyzed	CAS No.	Qual
			Limit	MDL						
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C									
	Pace Analytical Services - Long Island									
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.22	1		09/03/20 23:43	630-20-6		
1,1,1-Trichloroethane	ND	ug/L	1.0	0.22	1		09/03/20 23:43	71-55-6		
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.32	1		09/03/20 23:43	79-34-5		
1,1,2-Trichloroethane	ND	ug/L	1.0	0.23	1		09/03/20 23:43	79-00-5		
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	0.23	1		09/03/20 23:43	76-13-1		
1,1-Dichloroethane	ND	ug/L	1.0	0.19	1		09/03/20 23:43	75-34-3		
1,1-Dichloroethene	ND	ug/L	1.0	0.23	1		09/03/20 23:43	75-35-4		
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.64	1		09/03/20 23:43	87-61-6		
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.45	1		09/03/20 23:43	120-82-1		
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.47	1		09/03/20 23:43	96-12-8		
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	0.24	1		09/03/20 23:43	106-93-4		
1,2-Dichlorobenzene	ND	ug/L	1.0	0.17	1		09/03/20 23:43	95-50-1		
1,2-Dichloroethane	ND	ug/L	1.0	0.19	1		09/03/20 23:43	107-06-2		
1,2-Dichloropropane	ND	ug/L	1.0	0.43	1		09/03/20 23:43	78-87-5		
1,3-Dichlorobenzene	ND	ug/L	1.0	0.23	1		09/03/20 23:43	541-73-1		
1,4-Dichlorobenzene	ND	ug/L	1.0	0.25	1		09/03/20 23:43	106-46-7		
2-Butanone (MEK)	ND	ug/L	5.0	1.3	1		09/03/20 23:43	78-93-3		IL
2-Hexanone	ND	ug/L	5.0	0.60	1		09/03/20 23:43	591-78-6		
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	0.39	1		09/03/20 23:43	108-10-1		
Acetone	ND	ug/L	5.0	1.6	1		09/03/20 23:43	67-64-1		
Benzene	ND	ug/L	1.0	0.22	1		09/03/20 23:43	71-43-2		
Bromobenzene	ND	ug/L	1.0	0.21	1		09/03/20 23:43	108-86-1		
Bromochloromethane	ND	ug/L	1.0	0.18	1		09/03/20 23:43	74-97-5		
Bromodichloromethane	ND	ug/L	1.0	0.22	1		09/03/20 23:43	75-27-4		
Bromoform	ND	ug/L	1.0	0.43	1		09/03/20 23:43	75-25-2		
Bromomethane	ND	ug/L	1.0	0.43	1		09/03/20 23:43	74-83-9		
Carbon disulfide	ND	ug/L	1.0	0.25	1		09/03/20 23:43	75-15-0		
Carbon tetrachloride	ND	ug/L	1.0	0.20	1		09/03/20 23:43	56-23-5		
Chlorobenzene	ND	ug/L	1.0	0.18	1		09/03/20 23:43	108-90-7		
Chloroethane	ND	ug/L	1.0	0.35	1		09/03/20 23:43	75-00-3		
Chloroform	ND	ug/L	1.0	0.20	1		09/03/20 23:43	67-66-3		
Chloromethane	ND	ug/L	1.0	0.20	1		09/03/20 23:43	74-87-3		
Cyclohexane	ND	ug/L	1.0	0.87	1		09/03/20 23:43	110-82-7		
Dibromochloromethane	ND	ug/L	1.0	0.29	1		09/03/20 23:43	124-48-1		
Dichlorodifluoromethane	ND	ug/L	1.0	0.24	1		09/03/20 23:43	75-71-8		
Ethylbenzene	ND	ug/L	1.0	0.16	1		09/03/20 23:43	100-41-4		
Isopropylbenzene (Cumene)	ND	ug/L	1.0	0.23	1		09/03/20 23:43	98-82-8		
Methyl acetate	ND	ug/L	1.0	0.57	1		09/03/20 23:43	79-20-9		
Methyl-tert-butyl ether	ND	ug/L	1.0	0.28	1		09/03/20 23:43	1634-04-4		
Methylcyclohexane	ND	ug/L	1.0	0.22	1		09/03/20 23:43	108-87-2		
Methylene Chloride	ND	ug/L	1.0	0.30	1		09/03/20 23:43	75-09-2		
Styrene	ND	ug/L	1.0	0.22	1		09/03/20 23:43	100-42-5		
Tetrachloroethene	ND	ug/L	1.0	0.28	1		09/03/20 23:43	127-18-4		
Toluene	ND	ug/L	1.0	0.20	1		09/03/20 23:43	108-88-3		
Trichloroethene	ND	ug/L	1.0	0.22	1		09/03/20 23:43	79-01-6		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Dewey Loeffel

Pace Project No.: 30379383

Sample: Trip Blank-1 082620		Lab ID: 30379383010		Collected: 08/26/20 07:30		Received: 08/26/20 13:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Long Island							
Trichlorofluoromethane	ND	ug/L	1.0	0.12	1		09/03/20 23:43	75-69-4	
Vinyl chloride	ND	ug/L	1.0	0.33	1		09/03/20 23:43	75-01-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.24	1		09/03/20 23:43	156-59-2	
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.26	1		09/03/20 23:43	10061-01-5	
m&p-Xylene	ND	ug/L	2.0	0.33	1		09/03/20 23:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	0.18	1		09/03/20 23:43	95-47-6	
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.19	1		09/03/20 23:43	156-60-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.36	1		09/03/20 23:43	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	68-153		1		09/03/20 23:43	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-124		1		09/03/20 23:43	460-00-4	
Toluene-d8 (S)	98	%	69-124		1		09/03/20 23:43	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 07:30
Date Received: 08/27/20 10:20

Sample Name: EW-1 082620
Lab Code: R2007852-001

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	6.5	0.040	0.027	1	08/31/20 19:58	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	106	64 - 124	08/31/20 19:58	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 08:00
Date Received: 08/27/20 10:20

Sample Name: EW-2 082620
Lab Code: R2007852-002

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	48	0.040	0.027	1	08/31/20 20:16	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	102	64 - 124	08/31/20 20:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 08:30
Date Received: 08/27/20 10:20

Sample Name: EW-3 082620
Lab Code: R2007852-003

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	66	0.040	0.027	1	08/31/20 20:34	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	98	64 - 124	08/31/20 20:34	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 09:00
Date Received: 08/27/20 10:20

Sample Name: EW-4 082620
Lab Code: R2007852-004

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	450	0.20	0.14	5	09/01/20 15:20	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	105	64 - 124	09/01/20 15:20	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 09:30
Date Received: 08/27/20 10:20

Sample Name: EW-5 082620
Lab Code: R2007852-005

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	290	0.20	0.14	5	09/01/20 15:38	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	102	64 - 124	09/01/20 15:38	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 10:00
Date Received: 08/27/20 10:20

Sample Name: EW-6 082620
Lab Code: R2007852-006

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	910	0.40	0.27	10	09/01/20 15:56	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	72	64 - 124	09/01/20 15:56	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 10:30
Date Received: 08/27/20 10:20

Sample Name: EW-7 082620
Lab Code: R2007852-007

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	1200	0.80	0.54	20	09/01/20 16:48	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	100	64 - 124	09/01/20 16:48	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 11:00
Date Received: 08/27/20 10:20

Sample Name: EW-8 082620
Lab Code: R2007852-008

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	47	0.040	0.027	1	08/31/20 22:10	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	97	64 - 124	08/31/20 22:10	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services -Greensburg PA
Project: Dewey Loeffel/30379383
Sample Matrix: Water

Service Request: R2007852
Date Collected: 08/26/20 00:01
Date Received: 08/27/20 10:20

Sample Name: DUP-2 082620 (blind dup of EW-8)
Lab Code: R2007852-009

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D SIM
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	46	0.040	0.027	1	08/31/20 23:03	8/31/20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	97	64 - 124	08/31/20 23:03	