Groundwater Monitoring Report
Cornell Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3 – Groundwater
Long-Term Monitoring Program Year 2

Prepared for

United States Army Corps of Engineers
Kansas City District

Prepared by

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January 2020
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EA Project No. 63043.04

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LIST OF ACRONYMS AND ABBREVIATIONS

mg/L	Milligram(s) per liter
pg/L	Picogram(s) per liter
µg/L	Microgram(s) per liter
amsl	Above mean sea level
ARAR	Applicable or relevant and appropriate requirements
bgs	Below ground surface
BHC	Beta-hexachlorocyclohexane
BMP	Baseline Monitoring Program
cDCE	cis-1,2-dichloroethene
CDE	Cornell-Dubilier Electronics, Inc.
CEA	Classification exception area
CERCLA	Comprehensive Environmental Response and Liability Act
CKE	Currently known extent
CLP	Contract laboratory program
COC	Contaminant of concern
CRQL	Contract Required Quantitation Limit
CQC	Contractor quality control forms
DCE	Dichloroethene
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethanethane
DMC	Deuterated monitoring compound
DNAPL	Dense non-aqueous phase liquid
DO	Dissolved oxygen
DOT	Department of Transportation
DSC	D.S.C. of Newark Enterprises Inc.
EA	EA Engineering, Science, and Technology, Inc., PBC
ERT	Emergency Response Team
EPA	United States Environmental Protection Agency
FS	Feasibility study
FLUTE™	Flexible Liner Underground Technologies, LTD. L.C.
FLUTE™ wells	FLUTe™ multi-level sampling wells
ft	Foot (feet)
FWENC	Foster Wheeler Environmental Corporation
FPW	Former production well

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

ID	Identification
IDW	Investigation-derived waste
LTM	Long-term monitoring
LTMP	Long-term monitoring program
LTTD	Low temperature thermal desorption
MCL	Maximum contaminant level
MP	Malcolm Pirnie
MS	Matrix spike
MSD	Matrix spike duplicate
MTBE	Methyl-tert-butyl ether
NA	Not applicable
NAPL	Non-aqueous phase liquid
ND	Non-detect/not detected
NJDEP	New Jersey Department of Environmental Protection
No.	Number
NPL	National Priorities List
ORP	Oxidation reduction potential
OU	Operable unit
PAH	Polycyclic aromatic hydrocarbon
PAL	Project action limits
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethylene
pH	Presence of Hydrogen
ppm	Part(s) per million
PRG	Preliminary Remediation Goals
QA	Quality assurance
QAPP	Quality assurance project plan
QC	Quality control
RA	Remedial action
RCRA	Resource Conservation and Recovery Act
RI	Remedial investigation
ROD	Record of Decision
SIM	Selected ion monitoring
SOP	Standard operating procedure
SVOC	Semi-volatile organic compound

LIST OF ACRONYMS AND ABBREVIATIONS (continued)

TAL	Target analyte list
TCDD	Tetrachlorodibenzodioxin
TCE	Trichloroethene
TCL	Target compound list
Tetra Tech	Tetra Tech EC, Inc.
TEQ	Toxic equivalency
TI	Technical impracticability
TIER	Technical impracticability evaluation report
UFP	Uniform Federal Policy
USACE	United States Army Corps of Engineers
USGS	United States Geological Survey
VOC	Volatile organic compound

1. INTRODUCTION

Under the United States Army Corps of Engineers (USACE), Kansas City District, Contract Number (No.) 912DQ-16-D-3001, Task Order 0003, EA Engineering, Science, and Technology, Inc., PBC (EA) was tasked with providing groundwater monitoring services for Operable Unit (OU) 3 at the Cornell Dubilier Electronics, Inc. (CDE) Superfund Site (United States Environmental Protection Agency [EPA] Identification [ID] No. NJD981557879) located in the Borough of South Plainfield, Middlesex County, New Jersey (Figure 1-1). The services authorized under this Contract include implementation of the groundwater remedy in accordance with the 2012 EPA Record of Decision (ROD) for OU3 (EPA 2012).

The groundwater remedy involves implementation of a long-term monitoring (LTM) program (LTMP) to monitor the nature and extent of groundwater contamination and assess the stability and potential attenuation of the groundwater contaminant plume over time. The objective of the LTMP is to collect routine sample data to monitor concentrations of contaminants of concern (COCs) in the groundwater, analyze the anticipated further reduction of the groundwater contaminant plume, and track progress for achieving the site groundwater remediation goals. Environmental services conducted as part of the LTMP, include monitoring well inspections and maintenance, synoptic gauging, and groundwater sampling and analysis. The groundwater monitoring network is composed of 38 monitoring wells located on and in the vicinity of the former CDE facility.

Baseline monitoring for the LTMP was conducted in 2016–2017 (Louis Berger 2018). In 2017, EA submitted a Uniform Federal Policy- (UFP) Quality Assurance Project Plan (QAPP) (EA 2017a), which described the field activities and quality assurance (QA)/quality control (QC) program to be used during implementation of the LTMP. LTM events were planned semi-annually (twice per year) beginning in 2018, with events conducted in Spring and Fall. The LTMP Year 1 events were conducted in March–May 2018 (Spring 2018) and in October 2018. Following review of the Groundwater Monitoring Report for the CDE Superfund Site, South Plainfield, Middlesex county, NJ, OU 3: Groundwater LTMP Year 1 (LTMP Year 1 Report) (EA 2019), EPA agreed with reducing the sampling frequency in LTMP Year 2 (2019) from semi-annual to annual. The LTMP Year 2 event was conducted in Spring (June) 2019. The purpose of this report is to present data obtained during the LTMP Year 2 (Spring 2019) event, and to evaluate contaminant migration and degradation. This report also presents recommendations for continued implementation of the LTMP.

This report is organized into seven sections:

- ***Section 1***—Introduction
- ***Section 2***—Scope and Objectives
- ***Section 3***—Field Procedures
- ***Section 4***—Field Activities Results
- ***Section 5***—Discussion
- ***Section 6***—Conclusions and Recommendations for LTM

- ***Section 7***—References.

The following terminology is used throughout this document:

- The "Site" refers to the four OUs, which comprise the CDE Superfund Site, and the extent of each OU investigation.

- The "former CDE facility" refers to the physical extent of the industrial park operated at 333 Hamilton Boulevard, which is OU2.

- The "OU3 Study Area" and "OU3" refer to the geographic extent of the groundwater investigation and associated contamination.

1.1 PROJECT BACKGROUND

The Site consists of contamination from industrial activities at the former CDE facility located at 333 Hamilton Boulevard, South Plainfield, Middlesex County, New Jersey (Figure 1-2). The former CDE facility, most recently known as the Hamilton Industrial Park, is bounded on the northeast by the Bound Brook and the former Lehigh Valley Railroad, Perth Amboy Branch (now Conrail); on the southeast by the Bound Brook and a property used by the South Plainfield Department of Public Works; on the southwest, across Spicer Avenue, by single-family residential properties; and to the northwest, across Hamilton Boulevard, by mixed residential and commercial properties (EPA 2017). Prior to remedial activities conducted at the former CDE facility from 2006 to 2014, the facility could be sub-divided into two major areas as based on the characteristic surface features of the facility property (inset on Figure 1-2). The northwestern portion of the former CDE facility was largely paved and contained 18 buildings constructed of wood frame or brick that were used by a variety of commercial and industrial tenants. The southeast area was primarily an open field, with some wooded areas and wetlands bordering the Bound Brook. The facility is now vacant and covered by an asphalt cap.

CDE operated at the facility from 1936 to 1962, manufacturing electronic parts and components including capacitors. During site operations, CDE released and buried material contaminated with polychlorinated biphenyls (PCBs) and chlorinated volatile organic compounds (VOCs), primarily trichloroethene (TCE), at the former CDE facility, leading to widespread chemical contamination of soil at the facility and migration of contaminants to areas adjacent to the facility. During a series of site investigations in the late 1990s, the EPA detected elevated concentrations of PCBs and VOCs, in the soil, groundwater, and interiors of now-demolished buildings at the former CDE facility; on nearby residential, commercial, and municipal properties; in the sediments and surface water of Bound Brook, which is adjacent to the northeast corner of the former CDE facility; and in groundwater proximate to the former CDE facility. The Site was included on the National Priorities List in July 1998.

To effectively manage site complexities, the Site was divided into four OUs by the EPA:

- OU1 addresses contaminated soil and interior dust at properties in the vicinity of the former CDE facility.
- OU2 addresses contaminated soil and buildings at the former CDE facility.
- OU3 addresses contaminated groundwater at the Site.
- OU4 addresses contaminated sediment, floodplain soil, and groundwater within the Bound Brook corridor.

This report addresses OU3, which consists of the observed extent of site-related VOCs found in groundwater and encompasses approximately 825 acres. The remedy presented in the OU3 ROD (EPA 2012) includes long-term groundwater monitoring and institutional controls, in the form of a Classification Exemption Area (CEA), to minimize the potential for exposure to contaminated groundwater.

1.1.1 Site History

The original facility at the 333 Hamilton Boulevard property, a complex that eventually grew to 18 buildings, was built in the early 1900s by Spicer Manufacturing Company, a predecessor to Dana Corporation (EPA 2012). The Spicer Manufacturing Company manufactured universal joints and other components for the automobile industry at the facility from 1912 to 1929 (EPA 2015). The manufacturing plant included a machine shop, box shop, lumber shop, scrap shop, heat treating building, transformer platform, forge shop, shear shed, boiler room, acid pickle building, and die sinking shop. A chemical laboratory for the analysis of steel was added in 1917. Most of the major structures were erected by 1918. At least until the late 1920s, Bound Brook was dammed just upstream of the Conrail Railroad Bridge, forming an impoundment referred to as the condenser pond. The condenser pond water was used for cooling at the facility powerhouse; circulating pumps would have drawn cooling water from the pond, forced it through the tubes of surface condensers, and discharged the water back to Bound Brook (Louis Berger 2015).

Spicer Manufacturing Company ceased operations in South Plainfield in 1929 and beginning in 1936, first leased and then sold the facility at 333 Hamilton Boulevard to CDE (EPA 2004, 2012). When the Spicer Manufacturing Company ceased operations at the facility, the property consisted of approximately 210,000 square feet (ft) of buildings (Foster Wheeler Environmental Corporation [FWENC] 2002). CDE occupied the Site from 1936 to 1962. Following CDE's departure from the facility in 1962, the facility was operated as a rental property, the Hamilton Industrial Park, with over 100 commercial and industrial companies occupying the facility as tenants (EPA 2012).

During CDE's occupancy of the Site from 1936 to 1962, the company manufactured electronic components including capacitors. It has also been reported that the company tested transformer oils for an unknown period of time (Louis Berger 2015). PCBs (including Aroclor 1254 and Aroclor

1242) and chlorinated organic degreasing solvents (in particular, TCE) were used in the CDE manufacturing process. During site operations, CDE released and buried material contaminated with PCBs and VOCs at the facility (EPA 2015). It has been reported that the rear of the property was saturated with transformer oils and that capacitors were buried behind the facility (EPA 1996). Extensive fill areas containing thousands of discarded capacitors were found in the rear, undeveloped portion of the property. In 2000, a geophysical survey and excavations of test pits, generally in the central portion of the facility, were performed to investigate the boundaries, and determine the physical characteristics of the subsurface debris, and identify and characterize potential source areas. The results indicated buried materials, including capacitors (some the capacitor boxes appeared corroded and/or partially burned), ceramic electrical components, crystalline powder, general demolition debris, miscellaneous metallic debris, and drum components (Tetra Tech EC Inc. [Tetra Tech] 2006).

The New Jersey Department of Environmental Protection (NJDEP) first investigated environmental conditions at the former CDE facility, then known as the Hamilton Industrial Park, in 1986, as a potential source of contamination to the Pitt Street wells[1] (Louis Berger 2015). While investigations at the time were inconclusive regarding groundwater contamination at the Pitt Street wells (EPA 2015), several metals, VOCs, and Aroclor 1254 were detected in soil and sediment samples collected from the former CDE facility (Tetra Tech 2006).

Follow-up testing by NJDEP in the early 1990s led to a request that EPA consider the former CDE facility for potential emergency response actions. Subsequent sampling by the EPA showed the presence of PCBs, VOCs, and inorganic chemicals in facility soils, sediments, and surface water; floodplain soil, sediment, surface water, and biota of the Bound Brook adjacent to and downstream from the former CDE facility; and soil and interior dust at properties in the vicinity of the former CDE facility. These investigations led to the following actions:

- In March 1997, after identifying PCB-contaminated areas at the former CDE facility, EPA issued an administrative order to the property owner, D.S.C. of Newark Enterprises, Inc. (DSC), to perform a removal action. The removal action included paving driveways and parking areas in the Hamilton Industrial Park, installing a security fence, and implementing drainage controls to mitigate risks associated with contaminated soil and surface water runoff from the facility. This work was substantially completed by early 2008 (EPA 2012).

  Due to elevated PCB concentrations in sediments and fish samples, in August 1997, NJDEP issued an interim fish consumption advisory for the Bound Brook and its tributaries, including New Market Pond and Spring Lake (EPA 2015). The Final advisory was issued in August 1998. This advisory remains in effect.

[1] In the mid-1980s, NJDEP investigated the presence of tetrachloroethylene (PCE), TCE, and their degradation byproducts (cis-1,2-Dichloroethene [DCE], 1,1-DCE, and vinyl chloride) and other VOCs (carbon tetrachloride, chloroform, methyl-tert-butyl ether [MTBE], and xylene) in residential wells on Pitt Street to the south and west of the former CDE facility (Louis Berger 2015). The area was designated as a Currently Known Extent (CKE) of Groundwater Contamination by NJDEP.

- From 1998 to 2000 and again in 2004, surface soil excavation and interior dust remediation was conducted at 15 residential properties in the vicinity of the former CDE facility (EPA 2012).

In July 1998, EPA included the Site on the National Priorities List (NPL). To address the impact of the Site on the community early in the Superfund process and to effectively manage site complexities, the Site was divided into four OUs with separate remedial investigations (RIs) and feasibility studies (FSs), RODs, and remedial actions (RAs) as follows.

- The residential, commercial, and municipal properties investigation (OU1) were addressed in the OU1 RI and FS (Foster Wheeler Environmental Corporation [FWENC] 2001a, 2001b). The ROD for OU1 was issued in September 2003. The remedy required the excavation, offsite transportation, and disposal of PCB-contaminated soils from nearby properties, along with property restoration. The OU1 remedy also called for interior dust cleaning at properties where PCBs were detected indoors (EPA 2003).

- The CDE facility soils and buildings investigation (OU2) were addressed in the OU2 RI and FS (FWENC 2002, 2004). The ROD for OU2 was issued in September 2004. The remedy at OU2 addressed "principal threat" wastes in soils, including wastes that were considered ongoing source materials of groundwater contamination. The remedy required relocation of tenants and demolition of onsite buildings; excavation of the most highly PCB- and VOC-contaminated soil down to the top of the bedrock surface (a maximum of approximately 15 ft below ground surface [bgs]); onsite treatment of excavated soil using low temperature thermal desorption or offsite transportation and disposal of soil and debris not suitable for treatment; excavation and offsite disposal of contaminated soil and debris from the capacitor disposal areas; backfilling of excavated areas; installation of engineering controls; property restoration; and implementation of institutional controls (EPA 2004).

- Groundwater (OU3) was addressed in the OU3 RI and FS (Louis Berger and ARCADIS/Malcolm Pirnie [MP] 2012a and 2012b). The ROD for OU3 was issued in September 2012 (EPA 2012). The selected remedy consists of institutional controls and LTM of groundwater and vapor intrusion at nearby residences to ensure no exposures occur in the community. Due to the long history of contaminant release, the presence of contaminants in bedrock groundwater and rock matrix porewater, and the complex geology of the Site, available remedial technologies to meet of groundwater applicable or relevant and appropriate requirements (ARARs)[2] are limited. Therefore, the remedy incorporated a waiver of groundwater ARARs due to technical impracticability (TI).

- The Bound Brook Corridor was addressed in the OU4 RI and FS (Louis Berger 2014a, 2014b). The ROD for OU4 was issued in May 2015 (EPA 2015). The selected remedy consists of four components or parts: (1) full remediation through excavation and offsite disposal of a capacitor debris area along the eastern banks of Bound Brook, adjacent to the

[2] ARARs for groundwater include the NJDEP Groundwater Quality Criteria, the EPA Safe Drinking Water Act maximum contaminant levels (MCLs), and the New Jersey Secondary Drinking Water Standards.

former CDE facility; (2) groundwater capture and treatment, specifically along the boundary with the former CDE facility and Bound Brook, to prevent the release of groundwater contaminants to surface water; (3) excavation and removal activities targeting contaminated sediment and floodplain soils along a 3-mile stretch of Bound Brook including the dredging of New Market Pond; and (4) the relocation of a 36-inch waterline that traverses the former CDE facility.

The long-term response action for OU1 was completed in August 2014 and allows for unlimited use of the remediated properties. Under the OU1 RA, approximately 2,100 cubic yards of contaminated soil, which exceed the remediation goal of 1 part per million (ppm) of PCBs were excavated and removed from 16 offsite properties, and indoor dust remediation was conducted where dust was encountered exceeding the remediation goal of 1 ppm of PCBs.

The RA for OU2 was initiated in 2006 and completed in July 2014. Under the OU2 RA, approximately 220,000 tons of contaminated soil were excavated, with 98,000 tons treated by the onsite low temperature thermal desorption (LTTD) and placed back onsite, and remaining soil disposed of offsite. A multi-layered asphalt cap, and construction of a stormwater conveyance system and detention basin were installed at the former CDE facility, and operation and maintenance is ongoing. A deed notice for the continued use of the former CDE facility property as non-residential (commercial/light industrial), identified in the OU2 ROD, is under development.

The long-term response actions for OU3, specifically groundwater and vapor intrusion monitoring, are ongoing. A total of 12 standard monitoring wells (MW-01A, MW-02A, MW-3, MW-4, MW-5, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11, and MW-12) and 26 Flexible Liner Underground Technologies, LTD. L.C. (FLUTe^{TM}) multi-level sampling devices (FLUTe^{TM} wells; Emergency Response Team (ERT)-1 through ERT-8, MW-13, MW-14S, MW-14D, MW-15S, MW-15D, and MW-16 through MW-27) have been installed at the site and are included in the long-term groundwater monitoring program (Figure 1-3). Well construction details are presented in Table 1-1.

Two rounds of groundwater sampling were performed in December 2016–January 2017 (Round 1) and July–August 2017 (Round 2) under the Baseline Monitoring Program (BMP) for the purpose of establishing baseline conditions to which subsequent LTM data could be compared to evaluate contaminant migration and degradation. Results are presented in the Baseline Groundwater Sampling Final Data Summary Report (2018 BMP report; Louis Berger 2018). The LTMP was initiated in 2018 with LTMP Year 1 events conducted in Spring and Fall 2018. Results are presented in the LTMP Year 1 Report) (EA 2019).

The remedial design for the OU4 remedy was completed in 2018, and the removal of contaminated sediments from the Bound Brook and its floodplain soils is in the planning stage.

A five-year review program was initiated at the Site at the start of the remedy for OU2, as the selected alternative would result in hazardous substances, pollutants, or contaminants remaining at OU2, OU3, and OU4 at concentrations above levels that would allow for unlimited use and unrestricted exposure (EPA 2011). Five-year reviews were conducted by the EPA in 2011 and

2017 to evaluate the implementation and performance of remedies in order to determine if the remedies are and will continue to be protective of human health and the environment (EPA 2011, 2017).

1.2 PHYSICAL PROFILE

1.2.1 Topography

At the conclusion of OU2 remedial activities, the former CDE facility was covered by an asphalt cap sloping gently from the southwest to the northeast; stormwater is collected by a series of catch basins and a detention basin ultimately discharging to Bound Brook (Louis Berger and ARCADIS/MP 2012a). The topographic character of the area surrounding the former CDE facility is generally considered to be low relief with surface water bodies (Bound Brook, Cedar Brook, and Spring Lake) as the primary topographic features.

1.2.2 Hydrology

The Site is located within the Bound Brook sub-basin of the Raritan River watershed system. The former CDE facility is equipped with a stormwater collection system to collect runoff. The Bound Brook bounds the former CDE facility on the northeast and southeast and flows northwest and west through the Borough of South Plainfield to the Cedar Brook confluence. The Cedar Brook is a tributary to the Bound Brook and flows south through the OU3 area into Spring Lake. A dam at the western end of Spring Lake controls the discharge flow of Cedar Brook into Bound Brook. Downstream of the Cedar Brook confluence, Bound Brook flows west into Piscataway Township (Tetra Tech 2006).

Wetlands are located adjacent to the Bound Brook Corridor and are primarily associated with the floodplains of Bound Brook or occur as small isolated pockets in developed areas (Tetra Tech 2006). U.S. Fish and Wildlife Service National Wetlands Inventory wetland cover classes identified in the Bound Brook Corridor include Lacustrine Open Water Wetland, Palustrine Emergent Wetland, Palustrine Forested Scrub/Shrub Wetland, and Palustrine Forested Wetland.

1.2.3 Geology

OU3 is located in a glacial outwash area that extends south from the Raritan terminal moraine found approximately 2 miles northeast of the Bound Brook Corridor (Tetra Tech 2006). Excavation of the most highly PCB- and VOC-contaminated soil down to the top of the bedrock surface (a maximum of approximately 15 ft bgs); onsite treatment of excavated soil using low temperature thermal desorption or offsite transportation and disposal of soil and debris not suitable for treatment; excavation and offsite disposal of contaminated soil and debris from the capacitor disposal areas; backfilling of excavated areas; installation of engineering controls; property restoration; and implementation of institutional controls (EPA 2004).

Prior to implementation of the OU2 RA, unconsolidated overburden material at the former CDE facility consisted of unconsolidated red-brown silt and sand with silt and clay layers generally

intermixed with urban fill material (including cinders, ash, brick, glass fragments, metal, and other detritus) (Louis Berger 2015). Unconsolidated overburden ranged from approximately 0.5 to 15 ft thick, with thin deposits in the northwest and southwest portions of the former CDE facility and thickness increasing toward the Bound Brook. Unconsolidated overburden thickness beneath the former CDE facility buildings varied from 0 to less than 30 inches, with overburden absent beneath several the buildings in the northwest corner of the property. The most highly PCB- and VOC-contaminated soil was excavated down to the top of bedrock during the OU2 RA and backfilled with fill material.

The remainder of the OU3 surficial geology north, west, and east of the former CDE facility is characterized by Aeolian deposits and glaciofluvial plain deposits with recent alluvial deposits associated with surface water features such as Bound Brook (Louis Berger 2015). Unconsolidated deposits have been locally modified by construction activities (Tetra Tech 2006).

Unconsolidated deposits overlie a thin (up to 15 ft thick) layer of weathered bedrock consisting of heavily weathered siltstone and shale with a texture ranging from silt to fine sand, with some zones of angular silty gravel and silty clay (Louis Berger 2015).

The top of competent bedrock underlying the former CDE facility ranges from 4 to 15 ft bgs, except in the northwestern portion of the former CDE facility where bedrock was present immediately beneath the building foundations. Based on boring log data for wells installed during the OU3 R, the bedrock at the Site consists primarily of red-brown to dark-brown mudstone, siltstone, and shale consistent with the Passaic Formation. Boring logs from wells to the north of the former CDE facility are generally indicative of Passaic Formation mudstone facies, while cores from the former CDE Facility and areas southwest and east of the facility show siltstone and shale. The bedrock units range from massive rock with few fractures to highly laminated beds (Louis Berger and ARCADIS/MP 2012a). Rock outcrops of the Passaic Formation are visible along the banks of Bound Brook near the former CDE facility, with the stream bed consisting of weathered, fractured bedrock (EPA 2015).

Based on borehole geophysical data collected during the OU3 RI, bedding planes of bedrock units in the vicinity of the former CDE facility generally strike 65 degrees east of north, and generally dip at approximately 5 to 15 degrees to the northwest. Numerous fracture zones are present in bedrock from its surface to approximately 600 ft bgs (Louis Berger and ARCADIS/MP 2012a). The shallow bedrock units are heavily fractured and weathered, with weathered fracture zones ranging from near vertical to horizontal. Most of these features were low angle (20 to 30 degrees from horizontal), and the average spacing between fractures ranged from less than 1 to 6 inches (Tetra Tech 2006). Shallow fractures are typically in-filled with weathered material ranging in texture from silt/clay to sand (Michalski 1990).

One pronounced large fracture zone was encountered at approximately 65 ft bgs beneath the former CDE facility, and at again encountered at approximately 300 ft bgs near Spring Lake. (Geologic features are often tilted such that the same unit encountered at one depth in one location will appear at another depth at a different location.) This intensively fractured zone is characterized by significantly larger-than-average fractures (EPA 2012).

1.2.4 Hydrogeology

Unconsolidated alluvial and glaciofluvial deposits encountered at OU3 are relatively coarse-grained and characterized by high permeability. Due to their limited thickness, the unconsolidated deposits are not considered a significant groundwater aquifer (Tetra Tech 2006). The groundwater encountered in the unconsolidated deposits is hydraulically connected to the shallow unconfined bedrock aquifer and also hydraulically connected to surface water bodies including Bound Brook, Cedar Brook, and Spring Lake (EPA 2015).

Bedrock forms a complex, heterogeneous, multi-aquifer system comprised of a series of gently dipping lithologic units with relatively high transmissivity separated by units with relatively low transmissivity that form a leaky, multi-aquifer system that is several hundred feet thick (U.S. Geological Survey [USGS] 1998). Pervasive high-angle fractures impart a leaky character to the entire sequence (Michalski 1990; Michalski and Klepp 1990; Michalski and Britton 1996).

Groundwater in the Passaic Formation is often unconfined in the shallower, more weathered part of the aquifer; however, silt and clay derived from the weathering process typically infill fractures; thereby, reducing permeability. This relatively low permeability surface zone reportedly extends 50 to 60 ft bgs (Michalski 1990). The Passaic aquifer system below the lower permeability weathered zone consists of thin water-bearing units and much thicker, strata-bound, intervening aquitards (Michalski and Britton 1996). Groundwater in the deeper portion of the Passaic Formation is generally confined, as the lack of vertical fractures creates a confining effect with depth. Groundwater recharge occurs at surface sub-crops of fractured intervals, or by leakage through fractures in the confining units (Louis Berger 2015). Local and regional groundwater discharge boundaries include surface water bodies. However, municipal pumping centers (water wells) account for most of the regional groundwater discharge, and groundwater extraction influences regional and local groundwater movement (EPA 2012).

Groundwater in the Passaic Formation generally moves through bedding plane fractures and steeply dipping interconnected fractures and dissolution channels (secondary permeability). While bedrock has a high matrix porosity, interconnectivity of the pore spaces of the rock matrix is very low due to compaction and cementation of the formation. While a large volume of water is stored in the interstitial pore spaces between silt or sand particles, the permeability (ability to transmit the stored water) of the rock matrix is very low and a very limited amount of groundwater flows through the interstitial pore spaces (primary permeability).

The shallow bedrock potentiometric surface is generally affected by localized discharge to Bound Brook, Cedar Brook, and Spring Lake. Groundwater in shallow bedrock moves away from the site in a radial pattern, moving north and east from the former CDE facility toward Bound Brook and northwesterly toward the low-lying area at the confluence of Bound Brook and Cedar Brook. Groundwater elevations in wells in the northwestern portion of OU3 have a significantly lower elevation reflecting the influence of the Park Avenue wellfield. To the northeast of the former CDE facility, immediately across Bound Brook, groundwater movement in shallow bedrock is generally toward the west, with groundwater discharging to Bound Brook and Cedar Creek (Louis Berger 2015).

Surface water influence disappears with depth, and groundwater in water-bearing zones below 120 ft bgs, is not hydraulically connected to surface water bodies. Measurements of groundwater elevations between 120 and 160 ft bgs, and between 200 ft and 240 ft bgs indicated that the generalized direction of groundwater movement in deep bedrock is to the north with the gradient generally trending northwest near the former CDE facility before turning to the north-northeast as a result of the influence of local pumping centers (EPA 2015).

The historic pumping of deep bedrock municipal supply wells at the Spring Lake wellfield (located north of Spring Lake; Figure 1-2), South Plainfield wellfield (located north of the former CDE facility), the Tingly Lane Wellfield (located northeast of the former CDE facility), and Park Avenue Wellfield (located north of OU3) influenced the regional and local groundwater gradients. Pumping at South Plainfield (1952–1969) and Spring Lake (1964–2003) shifted groundwater movement at the former CDE facility in a more northerly direction toward Spring Lake. The historic pumping appears to have reversed the shallow groundwater/surface water interactions at Bound Brook. Since the Spring Lake wells stopped pumping in 2003, shallow groundwater in the immediate vicinity of the former CDE facility discharges to Bound Brook. Based on the RI investigation, the Park Avenue and Tingly Lane wellfields influence regional and local hydrogeology.

1.3 SITE CONCEPTUAL MODEL

CDE's activities led to widespread chemical contamination at the former CDE facility. The primary COCs for groundwater are VOCs (particularly TCE and cis-1,2-dichloroethene [cDCE]) and PCBs (EPA 2012). TCE and PCBs were released at the Site in large quantities, as evidenced by the extent of the OU2 remedy. Contaminants present within the disposed and/or buried material and within contaminated soil leached/infiltrated into the subsurface through by the percolation of rain and/or gravity; thus, migrating to the subsurface aquifer.

There is strong evidence that TCE and PCBs were released at the former CDE facility as dense non-aqueous phase liquids (DNAPLs). DNAPLs are among the most persistent contaminants in groundwater. Over time, most of the DNAPL in groundwater has been diffused into the bedrock through matrix diffusion. The mass in the rock matrix serves as a long-term reservoir of VOCs and continuous source of VOCs to neighboring rock fractures, with back diffusion slowly releasing the mass in the rock matrix porewater back to the fractures. Back diffusion occurs slowly over a very long period of time, the order of decades and centuries.

1.3.1 Fate and Transport Considerations

When released into the environment, a DNAPL will flow downward through unsaturated soils, and after encountering groundwater, will also flow downward through groundwater-saturated porous media (i.e., rock formations), because DNAPLs are denser than water. DNAPLs generally have low-water solubility, which, along with other factors, affects the flow properties of the fluid and can lead to pooling. Upon reaching the top of fractured sedimentary rock, the DNAPL will pool in areas of low permeability, eventually migrating downward through transmissive fracture zones. DNAPL typically penetrates the fracture network in the rock formation, working into ever

smaller openings; thus, creating pools, fingers, and disconnected droplets of residual contamination.

Based on groundwater analytical results, there is little evidence of DNAPL remaining at the former CDE facility. The only detections were near monitoring wells MW-14S and 14D. Depending upon the water solubility of a given chemical, DNAPLs such as VOCs can begin to dissolve into groundwater and move with the groundwater.

Due to their low solubility, PCBs generally do not, to any significant degree, spread in a dissolved phase. PCBs are highly persistent chemicals, which strongly adsorb to soils, sediments, and organic matter, and sorption is likely the dominant environmental process affecting the fate of PCBs for OU3. Although transport in the water column of dissolved and particulate phase PCBs may be limited, water transport could still be a contributing mechanism affecting the fate of PCBs. Chlorinated solvents such as TCE can enhance the solubility of PCBs and enhance their aqueous mobility in groundwater. Volatilization can also occur, and it would primarily involve the lesser chlorinated PCBs. The processes of photolysis, hydrolysis, oxidation, and biodegradation are insignificant factors in determining the fate of these compounds. Bioaccumulation is an extremely important environmental fate process for site-related PCBs in aquatic organisms, and terrestrial plants and organisms.

VOCs are in general not very persistent in the environment, principally due to their high volatility, low adsorption to soils, inability to substantially bioaccumulate, and high-water solubility. The solubility of the VOCs and favorable concentration gradients can mobilize VOCs into the aqueous phase while matrix diffusion and sorption of VOCs can sequester VOCs into the rock formation.

Migration of contaminants in groundwater is controlled by advection and dispersion. Groundwater flow in the Passaic Formation occurs primarily through a fracture network that is highly conductive and interconnected. These interconnected fractures resulted in rapid horizontal and vertical movement of groundwater, and with it, contaminant mass. The aqueous mass movement has also been influenced by ongoing public water supply well withdrawals. Although the general direction of groundwater movement beneath the former CDE facility is to the northwest, the pumping centers to the north and east of the former CDE facility have redirected the groundwater movement and contaminant mass transport. Groundwater extraction at the Park Avenue Wellfield located north of OU3, is currently the dominant hydraulic influence on the local hydrogeology (Figure 1-2).

The process of plume expansion may have taken place rapidly during the period of ongoing discharges (when CDE was operating and VOC concentrations were at their highest, resulting in a significant concentration gradient), and has slowed as the contaminant plume was drawn farther out into the rock formation. Because the Passaic Formation fracture network is so pervasive, it has provided a relatively large surface area for the VOCs to sorb onto and then diffuse into the rock matrix. The pore volume of the rock matrix is nearly two orders of magnitude larger than the fracture network porosity, allowing it to hold the majority of the contaminant mass, as confirmed by site-specific rock matrix sampling. The VOC contamination is now largely trapped within the

rock matrix a result of matrix diffusion, which causes the leading edge of aqueous contaminant mass to be strongly attenuated relative to the mean groundwater velocity in the fracture network. The extensive zone, over which VOCs have adsorbed to and/or diffused into the bedrock matrix (approximately 825 acres), constitutes what is expected to be an ongoing long-term source of contamination to the groundwater, via back diffusion, to the groundwater in the fractures, for decades to centuries. The mass flux has been estimated to be 0.67 and 1.27 pounds per day during the integrated pumping tests conducted in shallow and intermediate test wells at the former CDE facility.

1.3.2 Water-Bearing Zones

During the RI, the bedrock aquifer at OU3 was divided into three hydrogeological units, or water-bearing zones, for the purpose of conceptual site model development, as well as to more easily describe the hydrogeology and distribution of contamination (Louis Berger and ARCADIS/MP 2012). These units are not based on any innate hydrogeologic features. The depth intervals for the intermediate and deep zones were expanded to incorporate information obtained from the wells installed in 2016 prior to initiation of the BMP (Louis Berger 2018). The established units and associated depths include:

Water-Bearing Zone	RI-Established Depth Interval (ft bgs)	Expanded Depth Interval (ft bgs)	Difference (ft)
Shallow	0 to 120	NA	NA
Intermediate	120 to 160	120 to 185	+ 25
Deep	200 to 240	200 to 250	+ 10
NOTES: NA = Not applicable			

The shallow water-bearing zone, which extends from ground surface to 120 ft bgs, is monitored by the 12 shallow bedrock wells (MW-01A through MW-12) located on the former CDE facility property and by 23 FLUTe^{TM} wells with ports located within the specified depth range (ERT-1 through ERT-8, MW-13, MW-14S, MW-14D, MW-15S, MW-16, MW-19 through MW-27, and FPW; 72 total ports) (Table 1-1). This unit represents the conditions at or near the top of bedrock.

The intermediate water-bearing zone, which extends from 120 to 185 ft bgs, marks the transition between the shallow and deep water-bearing zones. This zone is monitored by 24 FLUTe^{TM} wells with ports located within the specified depth range (ERT-1 through ERT-8, MW-13, MW-14D, MW-15D, MW-16 through MW-27, and FPW; 31 total ports) (Table 1-1).

The deep water-bearing zone, which extends from 200 to 250 ft bgs, is monitored by 14 FLUTe^{TM} well with ports located within the specified depth range (MW-13, MW-14D, MW-16 through MW-25, MW-27, and FPW; 16 total ports) (Table 1-1).

Ten FLUTe^{TM} wells (MW-19 through MW-27 and FPW) have ports located below 250 ft bgs (31 total ports) (Table 1-1).

1.3.3 Previous Extent of VOC Contamination

The extent of chlorinated VOC contamination is widespread. The total land area of OU3 encompasses approximately 825 acres, which consists of the observed extent of site-related VOCs found in groundwater and encompasses the CEA (Figure 1-2). Groundwater modeling conducted as part of the RI demonstrated that, given that the original DNAPL releases occurred at least 50 years ago and as long as 80 years ago, the chlorinated VOC plume has over that period of time, reached a point where it is no longer expanding, and the leading edge of the plume is not currently expanding (Louis Berger and ARCADIS/MP 2012). The RI analytical results and BMP analytical results (Louis Berger 2018) indicated a downward direction of contaminant migration, generally aligned with the drawdown from municipal pumping wells.

Figures 1-4a, 1-4b, and 1-4c present the extent of TCE and cDCE in the shallow, intermediate, and deep water-bearing zones during the BMP (Louis Berger 2018). Figure 1-5 presents vertical profiles for TCE and cDCE during the BMP (Louis Berger 2018).

1.3.3.1 Shallow Water-Bearing Zone (0 to 120 ft bgs)

The highest VOC concentrations in the shallow water-bearing zone have continuously been detected in the bedrock beneath the overburden source area at MW-11/MW-14S/MW-14D, near the center of the former CDE facility, at depths between 17 and 75 ft bgs. DNAPL has been observed at MW-14S Port 1 (30–35 ft bgs) and/or MW-14 Port 4 (65–70 ft bgs) during previous monitoring events. Concentrations fall off sharply at depths below 70 ft bgs as indicated by concentrations in MW-14D Ports 1 through 3 (80–85 ft bgs, 123–133 ft bgs, and 199–209 ft bgs). TCE, as the most wide-spread site contaminant, provides the best representation of the maximum extent of site constituents. The resultant VOC mass in the shallow water-bearing zone has moved to the northwest, consistent with the observed shallow groundwater gradient and the historic gradient. Contamination in the shallow water-bearing zone is generally limited to the area south of Bound Brook, as the surface water body currently acts as a boundary to shallow groundwater movement. Elevated concentrations of VOCs in the shallow water-bearing zone were detected north of Bound Brook in ERT-4, MW-20, and MW-21. The elevated results at these locations suggest vertical mass transport along steeply dipping fractures, and possibly the influence of historic pumping from the now inactive Spring Lake Wellfield (located north of Spring Lake; Figure 1-2).

1.3.3.2 Intermediate Water-Bearing Zone (120 to 185 ft bgs)

Groundwater data from the intermediate water-bearing zone show a more northwesterly distribution of contaminants near the former CDE facility, with a northeastward-arching path of travel towards the capture zone of the currently operating Park Avenue Wellfield to the north (located north of OU3; Figure 1-2).

1.3.3.3 Deep Water-Bearing Zone (200 to 240 ft bgs)

As with the distribution of aqueous mass described in the intermediate water-bearing zone, groundwater data from the deep water-bearing zone show a more northwesterly distribution of contaminants near the former CDE facility, with a northeastward arching path of travel towards the capture zone of the currently operating Park Avenue Wellfield (located north of OU3; Figure 1-2).

1.3.3.4 Bedrock Groundwater Outside of Established Zones (>250 ft bgs)

Groundwater TCE concentrations below 250 ft bgs are presented in three cross-sections spanning the Site (A-A', B-B', and C-C') Cross-section baselines are presented in Figure 1-3. Figures 1-6a, 1-6b, and 1-6c present the cross-sectional views of the TCE distribution in groundwater generated during the BMP:

- Figure 1-6a Cross-Section A-A' – extending south to north through the central portion of the former CDE facility to furthest downgradient well MW-25 and encompassing wells ERT-1, former production well (FPW), MW-20, MW-23, and MW-25. While the cross-section baseline does not intersect wells MW-10, MW-14S/D, MW-16, and ERT-3, these wells were included in the cross-section to provide additional information on the vertical extent of the plume in the source area. Wells along this cross-section with sampling intervals below 250 ft bgs include FPW within the former CDE Facility; MW-20 within the medial portion of the plume; and MW-23 and MW-25 in the distal portion of the plume. The maximum TCE concentrations within the former CDE facility were reported at MW-14S, with a concentration of 200,000 micrograms per liter (µg/L) at MW-14S port 2 (41–46 ft bgs). DNAPL was encountered at MW-14S Port 1 (30–35 ft bgs) and Port 4 (65–70 ft bgs). In the area north of the former CDE facility, the maximum TCE result of 1,100 µg/L observed at MW-20 Port 7 (297–307 ft bgs) while the minimum concentration of 0.3 µg/L was recorded at MW-23 Port 1 (60–70 ft bgs). TCE concentrations in the distal portion of the plume at MW-25 ranged from 1.3 µg/L (Port 1; 85–95 ft bgs) to 22 µg/L (Port 4; 275–285 ft bgs).

- Figure 1-6b Cross-Section B-B' – extending west to east through the southern portion of the Site and encompassing wells ERT-5, MW-16, MW-18, ERT-2, MW-17, FPW, and MW-13. FPW is the only well on this transect with sampling intervals below 250 ft bgs, with FPW Port 8 screened at 268–278 ft bgs and FPW Port 9 screened at 300–310 ft bgs. The maximum TCE concentration on this transect was reported at FPW Port 3 (100–110 ft bgs). TCE in the deepest ports was reported at concentrations of 69 µg/L at FPW Port 8 and at 30 µg/L at FPW Port 9.

- Figure 1-6c Cross-Section C-C' – extending west to east through the northern portion of the plume and encompassing wells MW-24, MW-19, MW-23, MW-26, and MW-27. Each well along this cross-section has sampling intervals below 250 ft bgs. The maximum TCE concentrations on this transect was reported at MW-23 Port 3 (170–180 ft bgs; 52 µg/L)

and MW-23 Port 9 (444–454 ft bgs; 200 µg/L). TCE concentrations along this cross-section generally decline with distance from MW-23.

1.3.3.5 Extent of PCB Contamination

Based on the results of the OU3 RI (Louis Berger and ARCADIS/MP 2012a) and BMP (Louis Berger 2018), the extent of PCBs in groundwater from the former CDE facility is limited in areal extent, with PCBs at concentrations above regulatory thresholds detected at the former CDE facility in shallow bedrock (Figure 1-7).

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2. SCOPE AND OBJECTIVES

The OU3 RI (Louis Berger and ARCADIS/MP 2012a) indicated that site-related groundwater COCs are present in the bedrock aquifer at and downgradient from the former CDE facility. The primary COCs are VOCs (particularly TCE and cDCE), which are widespread, and PCBs, which have been detected at wells within the former CDE facility. Additional groundwater COCs include semi-volatile organic compounds (SVOCs), pesticides, polychlorinated dibenzo-p-dioxins, and metals. EPA determined that the appropriate remedy for the OU3 was a combination of institutional controls and groundwater monitoring. The selected remedy satisfies the requirements of Comprehensive Environmental Response and Liability Act (CERCLA) Section 121 and the National Contingency Plan's nine evaluation criteria for remedial alternative, 40 Code of Federal Regulations 300.430(e) (9). The selected remedy includes the following components:

- Prevention of exposure to site groundwater contamination, by continuing efforts to identify existing private wells within the OU3 study area, and by placing institutional controls in the form of a CEA to restrict the installation of new drinking water wells.

- Implementation of a long-term sampling and analysis program to monitor the groundwater contamination at the Site, in order to prevent exposure and assess groundwater migration. The LTMP will be implemented over a 30-year period following baseline monitoring.

- Implementation of a long-term vapor intrusion monitoring program. EPA is evaluating vapor intrusion issues related to site contaminants under a separate monitoring program.

The FS for OU3 (Louis Berger and ARCADIS/MP 2012b) documented the evaluation of the technical feasibility of aquifer restoration using potential remedial technologies. The stand-alone Technical Impracticability Evaluation Report (TIER) (Louis Berger 2012c) concluded that the long history of contaminant release, the presence of DNAPL, and the widespread presence of chlorinated VOCs in the bedrock groundwater and rock matrix porewater, and the complex geology of the Site, limit the ability of available remedial technologies to meet groundwater ARARs.[2] The TIER identified an approximately 825-acre TI zone, within which groundwater ARARs cannot be met using available remedial technologies. The depth of the TI exclusion area varies vertically. At its deepest, the waiver includes all groundwater from the water table (typically about 20 ft bgs) down to an elevation that corresponds to 5 ft below the deepest detected groundwater contamination in bedrock; approximately 400 ft bgs.

Due to the TI of remediating groundwater to remediation goals established by federal and state ARARs, EPA invoked an ARAR waiver for groundwater at the Site. Use of groundwater within the TI exclusion area is restricted through institutional controls, preventing exposure to contamination in excess of state and federal drinking water standards (EPA 2012). A groundwater CEA is being established in accordance with New Jersey regulations and will be evaluated on a biennial basis to affirm and certify its protectiveness of public health and the environment (Louis Berger 2015).

The institutional control component of the OU3 ROD is being implemented as the groundwater CEA, administered by the NJDEP, to prevent or minimize potential risks to receptors from exposure by contact, ingestion, or inhalation/vapor intrusion of contaminants in groundwater. The groundwater CEA requires biennial re-certification to affirm and certify its protectiveness of public health and the environment. The evaluation includes, among other requirements, a maintenance and evaluation log for each well used to establish the CEA and an evaluation of fate and transport of the groundwater contaminant plume (including any additional remediation conducted, modification of the RA, and proposed revisions to the CEA).

The groundwater LTMP is a component of the OU3 ROD. The LTMP was implemented is to monitor the nature and extent of the contamination, attributable to the Site, in groundwater and assess the stability and potential attenuation of the plume over time. The objective of the LTMP is to collect routine sample data to monitor concentrations of COCs in the groundwater, analyze the anticipated further reduction of the groundwater contaminant plume, track progress for achieving preliminary remediation goals (PRGs), and assure that the groundwater conditions that served as the basis for the remedy selection do not change over time. In addition, the contaminant concentrations observed during the LTMP will be used to evaluate whether the institutional control component required by the OU3 remedy is successful in preventing development of conditions, which pose an unacceptable risk to ecological or human health.

2.1 PRELIMINARY REMEDIATION GOALS

EPA invoked an ARAR waiver for the groundwater at the Site in the OU3 study area TI. ARARs will not be met within the TI zone. Site-specific groundwater screening criteria were developed for OU3 based on the groundwater remediation goals identified in the OU3 ROD (EPA 2012). These PRGs apply to a series of contaminants detected in groundwater during previous studies, including the investigation performed by FWENC in 2000 and the OU3 RI (Louis Berger and ARCADIS/MP 2012a). The PRGs were developed in accordance with Section 121 (d) of the CERCLA and drew upon ARARs originating with state and federal sources (federal MCLs or New Jersey Remediation Standards for Groundwater).[2] The details of this process are fully described in the RI (Louis Berger and ARCADIS/MP 2012a) and the ROD (EPA 2012).

The PRGs for OU3 groundwater are presented in Table 1-2. The PRGs are used for developing use restrictions and other actions to prevent exposure to, and for assessing the extent of (or expansion of) the site-related aqueous plume, but not for achieving restoration of the groundwater.

2.2 LONG-TERM MONITORING DATA EVALUATION

The purpose of this annual report is to present data obtained during the LTMP Year 2 event (Spring 2019) and to evaluate contaminant migration and degradation. This annual report also presents recommendations for continued implementation of the LTMP.

Data obtained from the LTMP is being used to answer the following questions:

- Does the institutional control prevent or minimize potential risks to human and ecological receptors from exposure by contact or ingestion of contaminants in groundwater attributable to the Site?

- Is the extent of groundwater contamination attributable to the Site remaining stable and not expanding beyond the TI zone (CEA)?

- Are the concentrations of contaminants in groundwater from the former CDE facility increasing, stable, or decreasing in the fractured bedrock within and at the downgradient edge the CEA?

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3. FIELD PROCEDURES

The LTMP Year 2 event (Spring 2019) was initially scheduled for the May 2019 timeframe; however, the event was delayed due to issues with Contract Laboratory Program (CLP) laboratory assignments. Following assignments of CLP laboratories, the LTMP Year 2 event was conducted from 3 through 13 June 2019. In accordance with EPA, a second groundwater event (Fall 2019) was not conducted during LTMP Year 2.

The LTMP Year 2 event included synoptic gauging, monitoring well inspections and maintenance, groundwater sampling, laboratory data analysis and data validation, and investigative derived waste (IDW) management. Field activities were conducted in accordance with the approved UFP-QAPP (EA 2017a). Copies of the field book and Daily Contractor Quality Control Forms completed during field activities are provided in Appendix A.

3.1 MOBILIZATION

Mobilization included field personnel orientation and equipment mobilization. Equipment mobilization included renting, purchasing, and transporting the equipment to the Site.

3.2 HEALTH AND SAFETY

Health and safety procedures and monitoring of field investigation personnel was conducted in accordance with the USACE approved Accident Prevention Plan and Site Safety and Health Plan included as Appendix F in the APP (EA 2017b). A Health and Safety Officer was onsite throughout the field investigation program to ensure personnel were protected from both physical and chemical health hazards. Appropriate protective clothing (Level D including steel-toe boots, safety glasses, and nitrile gloves) was worn by all field personnel for protection against contamination.

3.3 SYNOPTIC WATER LEVEL MEASUREMENTS

A synoptic round of water levels was collected from each well within the monitoring well network prior to initiation of groundwater sampling to determine the direction of the groundwater flow gradient in the shallow, intermediate, and deep water-bearing zones. Synoptic gauging during LTMP Year 2 was conducted on 3 June 2019. Two teams of field personnel collected the water levels concurrently to minimize the total time span water levels were measured. Water levels were collected from 12 standard shallow bedrock and 26 FLUTe^{TM} wells with a total of 149 discrete-depth sampling ports (Figure 1-3). Staff gauge measurements could not be collected as staff gauges were washed out during previous high-stream flows/storms.

For standard monitoring wells, water levels, and well depths were measured to the nearest 0.01 ft using Heron skinny dipper water level meters. For FLUTe^{TM} wells, water levels in the pump tube for each port were measured to the nearest 0.01 ft using a bead-type electric water level meter. Well depths were not measured at FLUTe^{TM} well ports as the FLUTe™ Sampling Guidelines for Water FLUTe™ Systems states that wet film adhesion at depth may prevent the removal of the tag

line. Measured depths were recorded on the Cornell-Dubilier Well Gauging Sheet provided in Appendix B.

3.4 WELL CONDITION SURVEY

An inspection of 12 standard monitoring wells and 26 FLUTe™ wells was conducted concurrent with synoptic gauging. Well condition information was recorded on the EPA Region 2 Superfund Well Assessment Checklists provided in Appendix C.

3.5 GROUNDWATER SAMPLING

Groundwater samples were collected from 12 standard monitoring wells and 26 FLUTe™ wells (143 of 146 total ports). Purge forms are provided in Appendix D.

Sampling during LTMP Year 2 incorporated the approved analyte reductions presented in the LTMP Year 1 Report (EA 2019) (i.e., discontinued analysis of VOCs by selected ion monitoring [SIM]; discontinued analysis of SVOCs and PAHs; reduced PCB Aroclor, pesticide, and Target Analyte List [TAL] metal sampling). Groundwater samples at each standard monitoring well and each FLUTe™ well were collected for offsite laboratory analysis of VOCs. Additional samples were collected for the following analytes: pesticides, PCB Aroclors and congeners, dioxins and furans, and TAL metals as presented in Table 3-1. The number of field samples collected for each analyte group during the LTMP Year 2 (Spring 2019) event is summarized in the following table.

Analyte Group	Number of Field Samples Collected
TCL VOC	156
TCL pesticides	54
TCL PCB Aroclors	71
PCB congeners	10
Dioxins/furans	10
TAL metals	40
Sampling points ERT-2 Port 3, ERT-3 Port 4, and ERT-8 Port 4 were removed from the LTMP following completion of the BMP. DNAPL was encountered at MW-14S Ports 1 and 4. As a result, samples were not collected from these sample points. NOTES: TCL = Target Compound List	

3.5.1 Standard Monitoring Well Sampling

The 12 standard wells were purged and sampled using portable submersible bladder pumps in accordance with the EPA Region 2 Low Stress (or Low Flow) Purging and Sampling Procedure.

Drawdown and groundwater quality parameters including temperature, pH, conductivity, dissolved oxygen (DO), oxidation reduction potential (ORP), and turbidity were monitored at 3-minute intervals throughout purging using a Horiba U-52 water quality meter equipped with a flow-through cell.

Well purging continued until these groundwater quality parameters stabilized for three consecutive readings as follows:

- Drawdown within 0.3 ft
- pH readings within ± 0.1 pH units
- Water temperatures within ± 3 percent
- ORP within ± 10 milliVolts
- DO within ± 10 percent for values greater than 0.5 milligram per liter (mg/L); if three dissolved oxygen (DO) values were less than 0.5 mg/L, the values were considered stabilized.
- Specific conductance within ± 3 percent
- Turbidity within ± 10 percent for values greater than 5 nephelometric turbidity units; if three turbidity values were less than 5 nephelometric turbidity units, the values were considered stabilized.

After the stability criteria were satisfied, the flow-through cell was disconnected from the sample tubing and groundwater samples were collected for offsite laboratory analysis.

3.5.2 FLUTe™ Well Sampling

The 26 FLUTe™ wells were purged and sampled in accordance with the most recent version of the FLUTe™ Sampling Guidelines for Water FLUTe™ Systems. For FLUTe™ wells installed prior to 2009 (i.e., ERT-01 through ERT-06, and ERT-08), three purge strokes for each port were performed prior to sample collection. For wells installed after 2009, four purge strokes for each port were performed prior to sample collection. Where possible, ports were simultaneously purged and sampled using a multi-port manifold. Factors impacting use of the manifold included field personnel availability, manufacturer's recommendation, and the number of ports in the well.

Purge sample pressures and discard volumes for each sample port were determined based on recommended pressures presented on multi-port system spreadsheets generated during well installation. Water quality parameters (pH, conductivity, temperature, ORP, DO, and turbidity) were measured and recorded once per purge stroke using a Horiba U-52 water quality meter.

Following completion of the required number of purge strokes, flow rates were reduced to the recommended sampling pressure and groundwater samples were collected for offsite laboratory analysis.

3.5.3 Decontamination Procedures

Non-dedicated sampling equipment including the water level meter was decontaminated between sampling locations using a non-phosphate laboratory detergent solution and rinsed with de-ionized water. The Horiba U-52 water quality meter and flow-through cell was rinsed with de-ionized water between uses. Bladder pumps were disassembled for decontamination and the bladder and o-rings were replaced between sampling locations. Decontamination was not required for the FLUTe™ well dedicated sampling systems.

3.6 INVESTIGATIVE DERIVED WASTE MANAGEMENT

IDW and purged groundwater generated during field activities were collected and stored in 55-gallon drums. Purge water from each well location was segregated as hazardous or non-hazardous waste based on historical analytical results (particularly PCB, TCE, and cDCE concentrations). IDW drums were stored on the former CDE facility property in the area behind the catch basin. A total of 12 drums were generated during sampling activities, with 9 drums categorized as non-hazardous liquid (non-Resource Conservation and Recovery Act [RCRA]/Department of Transportation [DOT] liquid and 3 drums categorized as hazardous liquid (Toxic Substances Control Act waste) due to PCB concentrations.

IDW generated during the sampling event was approved for disposal at Cycle Chem, Inc., Elizabeth, New Jersey. IDW drums were picked up by EA's IDW disposal subcontractor, ACV Enviro, for proper disposal on 14 August 2019. IDW manifests are provided in Appendix E.

3.7 GROUNDWATER SAMPLE ANALYSIS

Groundwater samples collected at each standard monitoring well and each FLUTe™ well port were collected for offsite laboratory analysis of organic and inorganic parameters based on the approved recommendations in the LTMP Year 1 Report (EA 2019), the classes of which are summarized in the following table.

Contaminant Class	Spring 2019 Analytical Method
TCL VOCs, trace level	CLP Method SOM2.4
TCL PCB Aroclors	CLP Method SOM2.4
PCB congeners	CLP HRMS01.2
TCL pesticides	CLP Method SOM2.4
Dioxins/furans	CLP HRSM01.2
TAL metals	EPA Method 200.8, Rev. 3.4

Sample analysis was performed by the CLP. Specific laboratories utilized during LTMP Year 2 are presented in the following table.

Sampling Round	Analytical Group	Laboratory	Laboratory Location	Laboratory Contract Type
LTMP Year 2 (Spring 2019)	Trace VOC	Shealy Environmental Services	West Columbia, South Carolina	CLP
	TCL pesticides			
	TCL PCB Aroclors			
	PCB congeners	Cape Fear Analytical, LLC	Wilmington, North Carolina	CLP
	Dioxins/furans			
	TAL metals	Chemtech Consulting Group	Mountainside, New Jersey	CLP

3.7.1 Sample Documentation and Identification System

Each sample was assigned a unique sampling identification number in accordance with the UFP-QAPP (EA 2017).

3.8 QUALITY ASSURANCE/QUALITY CONTROL

Field QA/QC objectives were accomplished through the collection of QA/QC samples (including field duplicates, field blank, matrix spike [MS]/matrix spike duplicate [MSD] samples) for CLP laboratories only, and trip blanks, and through use of appropriate sampling techniques.[3]

3.8.1 Quality Assurance/Quality Control Samples

QA/QC samples collected during the LTMP Year 2 event are summarized in the following table.

Analytical Group	LTMP Year 2 (Spring 2019)			
	Duplicate Samples	MS/MSD Samples	Field Blanks	Trip Blanks
TCL VOC	8	0	6	6
TCL pesticides	3	3	3	0
TCL PCB Aroclors	4	4	6	0
PCB congeners	1	1	3	0
Dioxins/furans	1	1	3	0
TAL metals	2	2	5	0

Field duplicates and MS/MSD samples were collected at a rate of 5 percent of project samples (1 per 20 field samples), with samples collected at the locations presented in Table 3-1. Field blank samples were collected daily during each round of sampling for each group of samples of similar matrix. VOC Field Blank sample FB061019, collected on 10 June 2019, was not received by the analytical laboratory. Field blank samples FB061019 for metals, PCB Aroclors, and

[3] MS/MSD are not required for VOC samples analyzed by a CLP laboratory. Deuterated monitoring compounds (DMC) are used instead of MS/MSDs. All samples are spiked with deuterated monitoring compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique.

pesticides analyses were received by the laboratory. The laboratory reported that two sets of VOC vials included in the same sample shipment were labeled FB061219 (field blank collected on 12 June 2019). It is likely that the 10 June 2019 VOC field blank vials were mislabeled as the second set of vials labeled FB061219.

Trip blanks were shipped at a rate of one per cooler shipment of VOC samples (one in each cooler that contains aqueous VOC samples), with the exception for one cooler shipped on 5 June 2019 and one of four VOC coolers included in the courier delivery to Shealy Environmental Services on 13 June 2019. A field blank sample was included in the cooler shipped on 5 June 2019, and site-related VOCs were not detected in these field blank samples. In addition, site-related VOCs were not detected in trip blank or field blank samples included in three of the four coolers included in the courier delivery to Shealy Environmental Services on 13 June 2019.

3.8.2 Daily Quality Control

Daily contractor quality control (CQC) forms were prepared during periods of active field work. The CQC forms include weather information at the time of sampling, list of field and QC samples collected, health and safety inspections conducted during the day, and any problems encountered or deviations from the planning documents. The CQC forms for both sampling events are provided in Appendix F.

3.8.3 EA Field Audits

One technical systems audit was performed by the EA QA/QC representative on 4 June 2019 during the Spring 2019 groundwater sampling program. The audit assessed the FLUTe™ well sampling. The purpose of the audit was to confirm adherence to the UFP-QAPP and field standard operating procedures (SOPs). Field forms completed during the QA/QC audits are presented in the Appendix F.

3.8.4 Deviations from the Uniform Federal Policy-Quality Assurance Project Plan

The following deviations from the UFP-QAPP were conducted during the LTMP Year 2 event as based on recommendations in sample guidance documents, the BMP Report (Louis Berger 2018), and the LTMP Year 1 Report (EA 2019).

- Only one monitoring event was conducted during LTMP Year 2 at the request of EPA, as presented in the LTMP Year 1 Report (EA 2019). Sampling was conducted in Spring (June) 2019. A second event (Fall 2019) was not conducted during LTMP Year 2.

- Per the FLUTe™ Sampling Guidelines for Water FLUTe™ Systems, it is not recommended to manually tag liquid levels at depth as wet film adhesion may prevent the removal of the tag line. Therefore, the depth of each FLUTe™ well port was not measured during synoptic gauging conducted as part of the LTMP Year 2 event. In addition, non-aqueous phase liquid (NAPL) was not measured in FLUTe™ well ports during synoptic gauging conducted as part of the LTMP Year 2 event, as DNAPLs are denser than water, and if present, would

have been encountered at depth in the water column (i.e., at the base of wells or FLUTe™ well ports). In accordance with approved recommendations presented in the LTMP Year 1 Report (EA 2019), FLUTe™ wells were purged and the presence of DNAPL was recorded on field forms based on visual observation.

- DNAPL was encountered at FLUTe™ well MW-14S Ports 1 and 4 during the LTMP Year 2 sampling event. Per the approved recommendations in the LTMP Year 1 Report (EA 2019), if DNAPL was encountered at a sample location during purging, then purging of that location would be discontinued and samples would not be collected and submitted for laboratory analysis. Therefore, groundwater samples were not collected at MW-14S Ports 1 and 4 during the LTMP Year 2 event due to the presence of DNAPL at this location.

- During the BMP, FLUTe™ well ports ERT-2 Port 3 and ERT-2 Port 4 exhibited a slower natural recharge rate, which proved impractical to sample collection. Purging of ERT-2 Port 3 and ERT-2 Port 4 was attempted during the LTMP Year 2 event. ERT-2 Port 3 stopped producing water during the third purge cycle and did not recharge adequately; therefore, a sample was not collected from ERT-2 Port 3. ERT-2 Port 4 was successfully purged, and a sample was obtained for analysis. The BMP Report (Louis Berger 2018) recommended removal of these well ports from the sampling program.

- During the BMP, the check valve at FLUTe™ well ERT-8 port 4 was noted to be stuck in the closed position, inhibiting collection of a representative sample. Purging of ERT-8 Port 4 was attempted during the LTMP Year 2 event; however, the port did not produce water. Therefore, a sample was not collected from ERT-8 Port 4.

- SVOC and PAH sampling was discontinued in accordance with the approved recommendations presented in the LTMP Year 1 Report (EA 2019). Therefore, SVOC samples were not collected during the LTMP Year 2 event.

- Sampling locations for PCB Aroclors, pesticides, and TAL metals were reduced in accordance with the approved recommendation presented in the LTMP Year 1 Report (EA 2019). Therefore, PCB Aroclor, pesticide, and TAL metals samples were collected at the reduced list of sampling points during the LTMP Year 2 event.

- SIM analysis of VOC samples was discontinued in accordance with the approved recommendation presented in the LTMP Year 1 Report (EA 2019). Therefore, collection of additional VOC samples for SIM analysis was not conducted during the LTMP Year 2 event.

- Per EPA, MS/MSDs are not required for VOC samples analyzed by CLP laboratories. DMCs are used by the laboratory instead of MS/MSDs to evaluate overall laboratory performance and efficiency of the analytical technique. All samples are spiked with DMC compounds in the laboratory prior to sample preparation. Therefore, MS/MSD samples were not collected for VOC samples during the LTMP Year 2 event.

The following deviations from the UFP-QAPP were conducted during the LTMP Year 2 event:

- Staff gauge measurements could not be collected as staff gauges were washed out during previous high-stream flows/storms.

- The pump installation depths for standard monitoring wells are presented in Worksheet #18 of the UFP-QAPP (EA 2017a). Pumps at MW-02, MW-09, and MW-11 were installed 1 ft above or below the intake depths presented in Worksheet #18. The pump intake depth was not recorded for MW-12. The pump intake should be placed in the same depth interval in each well each sampling event to ensure consistency during events.

- The EPA SOP Groundwater presented in Appendix A of the UFP-QAPP (EA 2017a) recommends that water quality parameters be monitored during purging of standard monitoring wells at a frequency 5-minute intervals or greater until stabilization to ensure complete cycling of water in the flow-through cell for each reading. Water quality parameters during the LTMP Year 2 event were monitored at 3-minute intervals. The volume of the flow-through cell used during water quality monitoring was less than 0.5 liters, and wells were purged at a rate of 0.2 liters per minute. Therefore, as 0.6 liters of water were purged through the flow-through cell during each reading, complete cycling of water was obtained for each reading. For future events, water quality parameters will be recorded at 5-minute intervals to be consistent with the EPA SOP Groundwater.

Additionally, in some cases, analytical reporting limits were elevated due to dilutions of samples containing high analyte concentrations. This caused the reporting limits to be higher than the contract required quantitation limit (CRQLs) as well as the project action limits (PALs) for some analytes.

4. FIELD ACTIVITIES RESULTS

The results of field activities discussed in this report include synoptic water level measurements, well assessments, and groundwater sampling during the LTMP Year 2 event (Spring 2019).

4.1 WATER LEVEL MEASUREMENTS

Depth to water measurements collected during LTM event were subtracted from the surveyed elevations to calculate water level elevations in feet above mean sea level (amsl). Groundwater elevations are presented in Table 4-1. Based on previous water depths and groundwater elevations measured during the BMP and LTMP Year 1 events, erroneous measurements were recorded for FLUTe™ wells MW-13 Ports 4 through 7, MW-14S Port 3, MW-17 Port 3, FPW Port 4, ERT-2 Ports 5 through 7, ERT-5 Port 1, and ERT-7 Ports 1, 4, and 5. The gauging form states that the well vaults at these wells were filled with water from surface runoff and that leaky port caps may have allowed standing well vault water into the port, affecting initial gauging measurements. While the well vault at MW-21 was also filled with water, measured water depths and calculated groundwater elevations at the MW-21 ports were similar to those from the BMP and LTMP Year 1 events. Water levels were not measured at ERT-2 Port 4 and ERT-8 Ports 1 and 5, as the water level indicator probe would not fit down the port. This was consistent with LTMP Year 1 events.

The vertical hydraulic head profiles for the LTMP Year 2 event are presented on Figure 4-1. The profiles suggest that bedrock is fairly well hydraulically connected in the vertical direction, although far more transmissive in the horizontal direction. In addition, the hydraulic head values slightly increase with depth in the northern parts of the study area (FLUTe™ wells ERT-3, MW-19, MW-20, MW-21, MW-23, MW-24, MW-26, and MW-27), suggesting that the hydraulic effect of the Park Avenue Wellfield (located north of OU3; Figure 1-2) is more pronounced in the shallow and intermediate zones.

The calculated groundwater elevations indicate a decrease in water table elevation across the study area, moving from the southeast to the northwest. Groundwater elevations during the LTMP Year 2 event ranged from 65.20 ft amsl at ERT-7 Port 3 to 50.08 ft amsl at MW-25 Port 6.[4] These elevations are similar to those calculated during the BMP and LTMP Year 1 events.

4.2 GROUNDWATER ANALYTICAL RESULTS

Groundwater samples were collected from 156 of 161 locations during the LTMP Year 2 event. Analytical results for those analytes detected in groundwater during LTMP Year 2 are presented in Tables 4-2a (VOCs) and 4-2b (PCBs as Aroclors, pesticides, and TAL metals). Summary statistics for the LTMP Year 2 analytical data are presented in Table 4-3. Dioxin/furan and PCB congener analytical results from LTMP Year 2 event are presented in Tables 4-4 and 4-5. Laboratory analytical reports are provided in Appendix G.

[4]Erroneous groundwater elevations ranged from 64.55 ft amsl at ERT-2 Port 7 to 80.48 ft amsl at ERT-7 Port 5.

The dataset for LTMP Year 2 was evaluated to assess contaminant concentrations in relation to PRGs established in the ROD. PRGs are presented in Table 1-2. Brief summaries for each contaminant class are presented in the following sections. Sample totals referenced below include QC samples.

4.2.1 Volatile Organic Compounds

During LTMP Year 2, a total of 31 VOC analytes were detected in groundwater, with 1 or more VOC analytes detected in 151 of the 156 sample points (159 of the 164 total VOC samples collected, including parent and duplicate samples). The 31 VOCs detected in groundwater are presented in Table 4-2a.

Twelve VOC analytes were detected at concentrations that met or exceeded the assigned PRGs, with 1 or more VOC analytes reported at or above the assigned PRG(s) in 120 of the 156 sample points (126 of the 164 total VOC samples collected, including parent and duplicate samples). The following table presents the detection frequency of LTMP Year 2 VOC analytes that were reported at concentrations that met or exceeded the PRG(s) at least once.

VOCs	PRG (µg/L)	Frequency of Detection	Frequency of Exceedances	Frequency of Detection (%)	Concentration Range (µg/L)
1,1,2-Trichloroethane	3	18/164	3/164	11	0.1–20
1,1-DCE	1	106/164	50/164	65	0.096–270
1,2,4-Trichlorobenzene	9	27/164	12/164	16	0.2–1,100
1,4-Dichlorobenzene	75	15/164	5/164	9	0.1–110
Benzene	1	38/164	4/164	23	0.057–3.4
Chlorobenzene	50	43/164	5/164	26	0.04–640
cDCE	70	151/164	50/164	92	0.09–400,000
MTBE	70	41/164	1/164	29	0.17–280
Tetrachloroethene	1	115/164	43/164	71	0.04–1,300
trans-1,2-Dichloroethene	100	91/164	8/164	56	0.06–1,500
TCE	1	155/164	126/164	95	0.067–190,000
Vinyl chloride	1	54/164	37/164	32	0.24–910

A total of 156 parent samples and 8 duplicate samples were collected during LTMP Year 2. The frequency of detections and frequency of exceedances include the total 164 parent and duplicate samples collected.

The maximum concentration of an individual VOC analyte detected during LTMP Year 2 was 400,000 µg/L. cDCE was detected at this concentration in groundwater collected from MW-11 (34–59 ft bgs). MW-11 is located in the center of the former CDE facility boundary within the former source area and the shallow water-bearing zone.

TCE and cDCE were the most frequently detected and widely distributed chlorinated VOCs. Figures 4-2a, 4-2b, 4-2c, and 4-2d present the concentrations of TCE and cDCE in the shallow,

intermediate, and deep water-bearing zones and in sample points below 250 ft bgs. Vertical profiles for TCE and cDCE at each well location are presented in Figures 4-3 and 4-4.

4.2.1.1 Trichloroethene Analytical Results

TCE concentrations near or above the PRG of 1 ug/L were observed at all depths at and downgradient from the former CDE facility property (Figures 4-2a, 4-2b, 4-2c, 4-2d, and 4-3). TCE concentrations in the former source area ranged from 110,000 µg/L at MW-11 (35 to 49 ft bgs) to 190,000 µg/L at MW-14S Port 2 (41 to 46 ft bgs). In addition, DNAPL was encountered at MW-14S Ports 1 and 4; samples were not collected from these ports for laboratory analysis. Concentrations near the former source area were highest in shallow bedrock, and generally decreased with depth, as shown by the profile from monitoring well MW-14D.

TCE concentrations in the remainder of the former CDE facility ranged from an estimated 0.4 µg/L at MW-02A (24 to 49 ft bgs) to 17,000 µg/L at MW-08 (42 to 57.5 ft bgs), with the highest concentrations detected in shallow groundwater and concentrations decreasing with depth as shown by profiles from MW-15 and FPW. Concentrations in wells along the downgradient edge of former CDE Facility ranged from 66 µg/L at MW-16 port 6 (170 to 180 ft bgs) to 5,400 µg/L at MW-07 (43 to 58 ft bgs), with the highest concentrations detected in the shallow and uppermost portion of the intermediate water-bearing zone and decreasing concentrations in the deep water-bearing zone as shown by the profile from MW-16.

In the proximal portion of the plume (proximal to the former CDE Facility), the highest TCE concentration in shallow bedrock was reported at ERT-2 Port 2 (40 to 50 ft bgs; 470 µg/L); the highest concentration in the intermediate water-bearing zone was reported at ERT-2 Port 7 (127 to 137 ft bgs,; 660 µg/L); and the highest concentration in the deep water-bearing zone was reported at MW-17 Port 3 (235 to 245 ft bgs; 780 µg/L). Concentrations generally increased overall with depth at ERT-5/MW-18, ERT-2/MW-17, ERT-3, ERT-6, and ERT-7 while concentrations generally remained stable with depth at ERT-4 and MW-13.

In the medial portion of the plume (downgradient of the CDE facility north of Bound Brook and generally south of South Plainfield High School), the highest concentration of TCE in shallow bedrock was reported at MW-20 Port 2 (85 to 95 ft bgs; 140 µg/L); the highest concentration in the intermediate water-bearing zone was reported at MW-20 Port 3 (125 to 135 ft bgs; 240 µg/L); the highest concentration in the deep water-bearing zone was reported at MW-20 Port 5 (205-215 ft bgs; 170 g/L) and the highest concentration in sampling points below 250 ft bgs was reported at MW-20 Port 6 (250 to 260 ft bgs, 420 µg/L). MW-20 is located along the centerline of the plume axis. TCE concentrations at MW-20 generally increased with depth from the shallow to the intermediate water-bearing zone at MW-20. Concentrations fluctuated with depth throughout the intermediate and deep water-bearing zones and at wells with sampling points below 250 ft bgs. TCE concentrations increased with depth at medial well MW-22 located within the central portion of OU3 while TCE concentrations generally declined with depth at medial wells MW-19 and MW-21, and MW-24 located along the northwestern edge of OU3.

TCE concentrations at MW-23 in the distal portion of the plume (east/northeast of South Plainfield High School), ranged from 0.073 µg/L in Port 1 (60 to 70 ft bgs) to 170 µg/L in port 9 (444 to 454 ft bgs). Concentrations at MW-23 increased with depth. At the furthest downgradient distal wells (MW-25, MW-26, and MW-27), concentrations were less than 10 µg/L with the exception of MW-25 Port 4 (275 to 285 ft bgs, 16 µg/L) and MW-27-3 (225 to 235 ft bgs; 23 µg/L). Concentrations at MW-25 increased overall with depth. Concentrations at MW-26 and MW-27 decreased overall with depth, with concentrations in the deepest ports (MW-26 Port 6 [455 to 465 ft bgs] and MW-27 Port 5 [460 to 470 ft bgs]) declining to below the PRG of 1 µg/L.

4.2.1.2 cDCE Analytical Results

cDCE concentrations varied across the Site, with concentrations above the PRG of 70 µg/L generally reported in wells located on, or proximal to, the former CDE facility property (Figures 4-2a, 4-2b, 4-2c, 4-2d, and 4-4). Locations downgradient of the former CDE facility that exceeded the PRG for cDCE included MW-13, MW-17, MW-20, MW-22, ERT-2, and ERT-3.

cDCE concentrations in the former source area ranged from 260,000 µg/L at MW-14S Port 2 (41 to 46 ft bgs) to 400,000 µg/L at MW-11 (34 to 59 ft bgs). In addition, DNAPL was encountered FLUTe™ well MW-14S Ports 1 and 4; MW-14S is located adjacent to MW-11. Concentrations in the former source area generally decreased with depth, as shown by the profiles for co-located pair MW-14S/MW-14D.

cDCE concentrations in the remainder of the former CDE facility ranged from an estimated 0.51 µg/L at MW-02A (24 to 49 ft bgs) to 12,000 µg/L at MW-04 (29 to 49 ft bgs). The highest concentrations were detected in the shallow water-bearing zone, and concentrations decreased with depth as shown by profiles from MW-15 and FPW. cDCE concentrations in wells along the downgradient edge of the former CDE facility ranged from 150 µg/L at MW-16 Port 6 (170 to 180 ft bgs) to 2,000 µg/L at MW-07 (43 to 58 ft bgs), with concentrations fluctuating with depth as shown by the profile from MW-16.

In the proximal portion of the plume (proximal to the former CDE Facility), the highest cDCE concentration in the shallow water-bearing zone was reported at MW-13 Port 4 (95 to 105 ft bgs; 250 µg/L); the highest concentration in the intermediate water-bearing zone was reported at ERT-3 Port 5 (124 to 134 ft bgs; 280 µg/L); and the highest concentration in deep bedrock was reported at MW-17 Port 3 (235 to 245 ft bgs; 540 µg/L). cDCE concentrations generally increased with depth at ERT-5/MW-18, ERT-7, ERT-2/MW-17, and ERT-3, and ERT-6 while concentrations fluctuated with depth at ERT-4. The cDCE concentration at MW-13 declined with depth.

In the medial portion of the plume, the highest concentration of cDCE in the shallow water-bearing zone was reported at MW-20 Port 1 (25 to 35 ft bgs; 150 µg/L); the highest concentration in the intermediate water-bearing zone was reported at MW-20 Port 4 (175 to 185 ft bgs; 300 µg/L); the highest concentration in deep bedrock was reported at MW-20 Port 5 (205 to 215 ft bgs; 330 µg/L); and the highest concentration in sampling points below 250 ft bgs was reported at MW-20 Port 6 (250-260 ft bgs; 250 µg/L). cDCE concentrations in medial wells MW-19, MW-20, and MW-21

declined overall with depth while concentrations at wells MW-22 increased with depth. Concentrations at MW-24 fluctuated with depth, but remained below 4 µg/L.

cDCE concentrations in the distal portion of the plume were significantly below the PRG of 70 µg/L. The highest concentration of cDCE in the shallow water-bearing zone was reported at MW-27 Port 1 (85 to 95 ft bgs, 15 µg/L); the highest concentrations in the intermediate water-bearing zone were reported at MW-23 Port 3 (170 to 180 ft bgs; 8.8 µg/L) and MW-26 Port 2 (175 to 185 ft bgs; 8.8 µg/L); the highest concentration in the deep water-bearing zone was reported at MW-27 Port 3 (225 to 235 ft bgs; 44 µg/L); and the highest concentrations in sampling points below 250 ft bgs was reported at MW-23 Port 9 (444-454 ft bgs; 29 µg/L). Concentrations increased with depth at both MW-23 and MW-25, with the highest concentration at MW-23 detected at Port 9 (444 to 454 ft bgs; 29 µg/L) and the highest concentration at MW-25 detected at Port 4 (275 to 285 ft bgs; 5.5 µg/L). cDCE concentrations at MW-26 and MW-27 declined with depth.

4.2.2 Polychlorinated Biphenyls as Aroclors

Aroclors 1242 and 1254 were detected in groundwater during LTMP Year 2, with 1 or both PCB Aroclors detected at 20 of the 71 sample points where PCB Aroclors were sampled. The PCB Aroclor analytical results for each sample point are presented in Table 4-2b and Figure 4-5. Vertical profiles for Total PCB Aroclors at each well location are presented in Figure 4-6. The following table presents the detection frequency for PCB Aroclors during LTMP Year 2.

Detected PCB Aroclor	Frequency of Detection	Frequency of Detection (%)
Aroclor 1254	10/75	13
Aroclor 1242	21/75	28
A total of 71 parent samples and 4 duplicate samples were collected during LTMP Year 2. The frequency of detections and frequency of exceedances include the total 75 parent and duplicate samples collected.		

Aroclor 1254 was reported at concentrations above the assigned PRG of 0.5 µg/L, with concentrations ranging from 0.93 µg/L at MW-05 (25 to 45.5 ft bgs) to 96 µg/L at MW-14S Port 2 (41 to 46 ft bgs). Aroclor 1242 concentrations ranged from an estimated 0.12 µg/L at FPW-4 (125 to 135 ft bgs) to an estimated 92 µg/L at MW-14D Port 1 (80 to 85 ft bgs); there is no PRG listed in the ROD for Aroclor 1242. Total PCB Aroclor concentrations ranged from 0.12 µg/L at FPW-4 (125 to 135 ft bgs) to 173 µg/L MW-14S Port 2 (41 to 46 ft bgs). DNAPL was encountered at MW-14S Ports 1 and 4; samples were not collected from these sampling points for laboratory analysis. MW-14 is located in the center of the former CDE facility boundary within the former source area and the shallow water-bearing zone.

The areal distribution of PCB total Aroclors is generally limited to the former CDE facility. Concentrations generally decreased with depth, except for MW-14S/MW-14D within the former source area.

4.2.3 Pesticides

A total of 18 pesticide analytes were detected in groundwater during LTMP Year 2, with 1 or more pesticide analytes detected in 46 of the 57 total samples (parent samples and associated field duplicates) collected (Table 4-2b). Eight pesticide analytes were reported at concentrations that met or exceeded the assigned PRG, with exceedances reported in 16 samples from collected from 11 locations (MW-03, MW-04, MW-05, MW-06, MW-07, MW-08, MW-11, MW-12, MW-14S, MW-14D, and MW-16). The following table presents the detection frequency of the LTMP Year 2 pesticide analytes that were reported at concentrations that met or exceeded the PRG(s) at least once.

The maximum concentration of an individual pesticide analyte detected During LTMP Year 2 was 29 µg/L. Endrin aldehyde was detected at this concentration in groundwater collected from MW-16 Port 5 (135 to 145 ft bgs). MW-16 is located at the northern edge of the former CDE facility downgradient of the former source area and port 5 draws water from the intermediate water-bearing zone.

Pesticides	PRG (µg/L)	Frequency of Detection	Frequency of Exceedances	Frequency of Detection (%)	Concentration Range (µg/L)
4,4-DDD	0.1	4/57	2/57	7	0.0025–0.9
4,4-DDE	0.1	16/57	5/57	28	0.0008–6
4,4-DDT	0.1	15/57	7/57	26	0.0024–28
Beta-BHC	0.04	13/54	8/54	24	0.054–2.3
Dieldrin	0.03	16/57	11/57	28	0.0093–24
Gamma-BHC (Lindane)	0.03	6/50	3/50	12	0.003–0.15
gamma-Chlordane	0.5	11/55	2/55	20	0.0013–7.6
Heptachlor	0.05	9/57	3/57	16	0.002–0.32

Rejected results are not included in sample frequencies.
NOTES:
BHC = Beta-hexachlorocyclohexane
DDD = Dichlorodiphenyldichloroethane
DDE = Dichlorodiphenyldichloroethylene
DDT = Dichlorodiphenyltrichloroethane

4.2.4 Metals

A total of 18 metals analytes were detected in groundwater during LTMP Year 2, with 1 or more metals analytes detected in each of the 42 total samples (parent samples and associated field

duplicates) collected (Table 4-2b). Six metals were detected at concentrations that met or exceeded the assigned PRG, with exceedances reported in 34 of the samples collected.

The following table presents the detection frequency of the LTMP Year 2 metals analytes that were reported at concentrations that met or exceeded the PRG(s) at least once.

Inorganic Parameters	PRG (µg/L)	Frequency of Detection	Frequency of Exceedances	Frequency of Detection (%)	Concentration Range (µg/L)
Aluminum	50	15/42	9/42	36	24–772
Arsenic	3	36/42	16/42	86	1–12
Barium	2,000	39/42	2/42	93	12.4–8,270
Iron	300	26/42	21/42	62	206–2,710
Lead	5	36/42	8/42	86	1–27
Manganese	50	41/42	15/42	97	0.9–776
Total number of samples and frequencies of detections and exceedances includes field duplicates.					

The maximum concentration of an individual metal analyte detected was 8,270 µg/L. Barium was detected at this concentration in groundwater collected from ERT-2 Port 1 (25 to 35 ft bgs). ERT-2 is located downgradient from the former source area, and Port 1 draws water from the shallow water-bearing zone.

Metals concentrations detected during LTMP Year 2 were compared to background concentrations as presented in the following table. Arsenic, iron, and manganese concentrations were within the range of background concentrations. The RI for OU3 states that aluminum, iron, and manganese are regulated as secondary taste and quality (aka nuisance) contaminants and are generally considered to be naturally occurring (Louis Berger and ARCADIS/MP 2012a).

Inorganic Parameters	New Jersey Ambient Groundwater Quality Network Data Dissolved Metals Concentration Range[1,2] (µg/L)	Passaic Formation Groundwater Well Ambient Groundwater Quality Dissolved Metals Concentration Range[1,2,4] (µg/L)
Aluminum	0.8–7,850	0.8–6.3
Arsenic	0.06–108	0.14–10.6
Barium	1–1,350	5–884
Chromium	0.02–6.3; 0.1–30[3]	0.06–1.6
Iron	2–95,400	2–37,500
Lead	0–2.53	0.11–0.24
Manganese	0.1–6,400	0.1–4,240

[1]NJDEP, New Jersey Geological and Water Survey Ambient Ground Water Quality Network Data, Ambient Metals of New Jersey, Series DGS05-2, Edition 20140114. Includes 150 wells across New Jersey.
[2] Information was not available regarding total metals concentration ranges.
[3] Dissolved metals concentrations as reported for New Jersey Ambient Groundwater Quality Network Data in the U.S. Geological Survey New Jersey Water Science Center database.
[4] Passaic Formation well data from 27 wells in the New Jersey Ambient Ground Water Quality Network Data. Data are provided as a general reference for bedrock groundwater.

Barium and lead concentrations that met or exceeded PRGs were above background concentrations. Barium met or exceeded the PRG of 2,000 µg/L in the shallow water-bearing zone at onsite well MW-07 (3,320 µg/L) and downgradient well ERT-2 Port 1 (8,270 µg/L). Lead concentrations exceeding the PRG of 5 µg/L were more widespread. Elevated concentrations were detected at upgradient well ERT-7 Port 5 (11.4 µg/L); in the medial portion of OU3 at ERT-2 Port 2 (6.1 µg/L); MW-21 Port 1 (18.2 µg/L), MW-21 Port 2 (8.8 µg/L) and MW-21 Port 4 (26.6 µg/L) and at MW-19 Port 2 (15.1 µg/L); and in the distal portion of OU3 at MW-26 Port 1 (18.3 µg/L).

4.2.5 Polychlorinated Biphenyl Congeners and Dioxins/Furans

Groundwater from 10 locations were analyzed for dioxins/furans and PCB congeners during LTMP Year 2, as presented in the following table. While MW-14S Ports 1 and 4 were scheduled to be sampled for dioxins/furans and PCB congeners, DNAPL was encountered at these well ports during purging; therefore, samples were not collected from these sampling points for laboratory analysis.

Location	Depth (ft bgs)	Comment
ERT-4-4	83 to 88	PCB congeners, dioxins/furans
MW-01A	24 to 49	PCB congeners, dioxins/furans
MW-11	34 to 59	PCB congeners, dioxins/furans
MW-12	35 to 60	PCB congeners, dioxins/furans
MW-14D-1	80 to 85	PCB congeners, dioxins/furans
MW-14D-2	123 to 133	PCB congeners, dioxins/furans
MW-14D-3	199 to 209	PCB congeners, dioxins/furans
MW-14S-2	41 to 46	PCB congeners, dioxins/furans
MW-14S-3	55 to 60	PCB congeners, dioxins/furans
MW-16-7	195 to 205	PCB congeners, dioxins/furans

PCB congeners and dioxins/furans results were used for calculating the toxicity equivalency (TEQ) relative to 2,3,7,8-Tetrachlorodibenzodioxin (TCDD) for the sampled locations. All dioxin/furan compounds were included in this calculation; however, only a subset of PCB congeners, those which are considered "dioxin-like" in structure and behavior, were incorporated as presented in the following table.

PCB Congeners List	
PCB-77	PCB-156
PCB-81	PCB-157
PCB-105	PCB-167
PCB-114	PCB-170
PCB-118	PCB-180
PCB-123	PCB-189
PCB-126	PCB-193

Dioxins/furans were detected in 4 of the 10 samples (parent samples and associated field duplicates) collected (ERT-4 Port 4, MW-01A, MW-12, and MW-14S Port 2; Table 4-4). Of the 17 Dioxin/Furan compounds, 10 were detected in at least 1 sample. Dioxins/Furans concentrations ranged from non-detect to an estimated 350 picograms per liter (pg/L) of 1,2,3,4,7,8-hexachlorodibenzofuran at MW-14S-2, which is located within the former source area. MW-14S-2 draws groundwater from the depth interval of 41 to 46 ft bgs.

PCB Congeners were detected in 10 of the 10 samples collected (100 percent) (Table 4-5). Each of the 14 "dioxin-like" PCB congeners were detected in at least 1 sample. Detected PCB congener concentrations ranged from non-detect to 13 µg/L of PCB-118 at MW-14S-2, which is located within the former source area. MW-14S-2 and draws groundwater from the depth interval of 41 to 46 ft bgs.

4.2.5.1 Toxic Equivalence Quantity

As indicated above, the PCB congener and dioxin/furan results were used to calculate the TEQ in relation to 2,3,7,8-TCDD for the sampled locations. The results and locations for Rounds 1 and 2 are presented in Table 4-6 and on Figure 4-7.

The Total TEQ ranged from 0 pg/L at MW-16-7 (195 to 205 bgs) to 3,597 pg/L at MW-14S-2 (41-46 ft bgs). The 10 pg/L PRG for TEQ was exceeded at 7 of the 10 locations sampled, including MW-11, MW-12, MW-14S-2, MW-14S-3, MW-14D-1, MW-14D-2, and MW-1D-3. MW-11, MW-14S, and MW-14D are located within the former source area. MW-12 is located within the former CDE facility approximately 210 ft northwest of MW-11.

4.2.6 Data Usability

Data validation for the LTMP Year 2 analytical results is discussed in their respective Data Quality Control Summary Reports provided in Appendix G. Laboratory qualifiers used during data validation are presented in Table 4-6. A Data Usability Report is provided in Appendix H.

Data qualifiers used during laboratory validation are presented and defined in Tables 4-2a and 4-2b, 4-4, and 4-5. The analytical results for environmental samples collected during the LTMP Year 2 event are valid and usable with the following qualifications as noted in the validation reports: U, J, J+, J-, UJ, N, NJ, and JEMPC.

As indicated in the UFP-QAPP, trace-level VOC analysis was conducted to meet the PALs where feasible. However, due to high concentrations of target analytes (including 1,2,4-trichlorobenzene, TCE, PCE, cis-1,2-DCE, and vinyl chloride), some VOC samples were diluted in order to report results within the calibration range of the instrument. The dilutions increased sensitivity and some results were not reported at the CRQL and above PALs, as the reporting limit was multiplied by the dilution factor. Although the elevated reporting limits create some uncertainty regarding whether the actual concentrations of some VOCs exceeded PALs, due to the high COC concentrations in affected samples, the elevated reporting limits do not significantly impact the

data usability with regard to the project objective of tracking the progress for achieving the site groundwater remediation goals.

Additional data was flagged as rejected by the validator (R). Rejected data from LTMP Year 2 included select pesticide analytical results in 7 sample points (MW-06, MW-12, MW-14S Ports 2-3, and MW-14D Ports 1-3 and the field duplicate collected at MW14D Port 2 (FD061219-1) . These pesticide results were rejected due to compound identification criteria or percent recovery greater than 200 percent. Overall, 30 out of 13,943 results were rejected. Thus, rejected data represent 0.18 percent of the total data. Overall completeness was 99.82 percent, which meets the project daily quality objectives.

5. DISCUSSION

5.1 WATER ELEVATIONS

Groundwater potentiometric surface maps for the shallow water-bearing unit were generated using groundwater elevations from the 12 single-screen wells and the 23 FLUTe™ wells with ports located between 0 and 120 ft bgs (Figure 5-1a). Typically, the groundwater elevations from the shallowest port of the FLUTe™ wells was used to generate groundwater contours; in the event where the groundwater elevation from the shallowest port was deemed erroneous (i.e., ERT-5 Port 1 and ERT-7 Port 1), groundwater elevations from the next shallowest port within the 0 and 120 ft bgs range was used (i.e., ERT-5 Port 2 and ERT-7 Port 2). Groundwater potentiometric surface contours for the shallow water-bearing unit indicate that groundwater in this zone moves radially offsite, north and northeast toward Bound Brook, and northwest towards the confluence of the Bound Brook and Cedar Brook. Groundwater elevations suggest that shallow groundwater is discharging to Bound Brook, Cedar Brook, and Spring Lake. North of these waterbodies, the shallow groundwater moves in a generally northwestward direction.

Groundwater potentiometric surface maps for the intermediate water-bearing unit were generated using the groundwater elevations from 21 FLUTe™ wells with ports instrumented between 120 and 185 ft bgs (Figure 5-1b). Typically, groundwater elevations from the uppermost port of the FLUTe™ wells located within the intermediate zone was used to characterize the intermediate water-bearing unit. In the event the groundwater elevation from the uppermost port within the intermediate water-bearing zone was deemed erroneous (i.e., FPW Port 4), groundwater elevations from the next port within the intermediate zone was used (i.e., FPW Port 5). Calculated groundwater elevations from wells ERT-2, ERT-7 and MW-13 were not used in the generation of the intermediate water-bearing zone potentiometric surface maps as the water depths and groundwater elevations for each of the intermediate well ports at these locations (i.e., ERT-2 Port 7, ERT-7 Port 5, and MW-13 Ports 5 and 6) were deemed erroneous. Groundwater potentiometric surface contours for the intermediate water-bearing unit indicate that groundwater movement in this zone is generally northwest near and downgradient from the Site.

Groundwater potentiometric surface maps for the deep water-bearing unit were generated using the groundwater elevations from 13 FLUTe™ wells with ports between 200 and 250 ft bgs (Figures 5-1c). Calculated groundwater elevations from MW-13 were not used in the generation of the deep groundwater potentiometric surface maps as the water depth and groundwater elevation for MW-13 Port 7 was deemed erroneous. Groundwater potentiometric surface contours for the deep-water-bearing unit indicate that groundwater movement in this zone is generally northwest near and downgradient from the Site, with a northward component to flow between wells MW-21 and MW-19.

5.2 NATURE AND EXTENT OF PRIMARY CONTAMINANTS OF CONCERN

The primary COCs for OU3 groundwater as specified in the 2012 ROD are VOCs (TCE and cDCE) and PCBs (EPA 2012). The data collected during Spring 2019 established the groundwater conditions for LTMP Year 2. For consistency with and to support the conceptual site model, the

primary COCs are discussed in terms of the water-bearing units described in Section 1.3.2 and presented in Section 5.1 of this report.

5.2.1 Volatile Organic Compound Contaminant Distribution

5.2.1.1 Shallow Water-Bearing Zone (0 to 120 ft bgs)

Of the 38 monitoring wells included in the LTMP, 35 have sampling intervals within the shallow water-bearing zone (MW-01A through MW-12, ERT-1 through ERT-8, MW-13, MW-14S, MW-14D, MW-15S, MW-16, MW-19 through MW-27, and FPW) (Table 1-1). These wells provide a total of 84 sampling points within the shallow water-bearing zone. Figure 4-2a presents the LTMP Year 2 TCE and cDCE concentrations for each point sampled within the shallow water-bearing zone.

The areal distribution of TCE and cDCE detected at the top of the shallow water-bearing zone during LTMP Year 2 is presented in Figure 5-2a. The highest TCE and cDCE concentrations were detected former source area wells MW-14S and MW-11 near the center of the former CDE facility. DNAPL was encountered at MW-14S Port 1 (30 to 35 ft bgs) and Port 4 (65 to 70 ft bgs); therefore, samples from these ports were not analyzed for VOCs. The maximum TCE concentration was reported at MW-14S Port 2 (41 to 46 ft bgs; estimated concentrations of 190,000 µg/L). The maximum cDCE concentration was reported at MW-11 (estimated concentration 400,000 µg/L). Concentrations declined steeply at depths greater than 70 ft bgs. Adjacent wells MW-11, MW-12, and MW-03 and adjacent ports at MW-14S (Ports 1 and 3) were characterized by TCE concentrations above 6,600 µg/L and cDCE concentrations above 9,800 µg/L. These results are consistent with the former source area identified in the RI near MW-11 and MW-14S/MW-14D, and the direction of groundwater movement in the shallow water-bearing zone facilitating advective transport toward MW-03 and Bound Brook.

Elevated VOC concentrations in wells located to the west/northwest of the former CDE facility support the RI observation that soluble contaminant mass has migrated from the former source area. VOC concentrations exceeding the PRGs were detected in wells north of Bound Brook, which is consistent with the BMP (Figure 1-4a). During LTMP Year 2, the highest TCE concentrations in the shallow groundwater were reported at plume proximal well MW13 Port 4 (95 to105 ft bgs; 140 µg/L); plume medial well MW-20 Port 2 (85 to 95 ft bgs; 130 µg/L), and plume proximal well MW-13 Port 3 (63 to 73 ft bgs; 130 µg/L). The highest cDCE concentrations were reported at plume proximal well MW-13 Port 4 (95 to 105 ft bgs; 250 µg/L) and MW-13 Port 3 (63 to 73 ft bgs; 250 µg/L). Though not as pronounced as those observed during the RI, the associated vertical head measurements in these wells indicate upward gradients in the shallow water-bearing zone and the potential for vertical mass transport.

Monitoring wells MW-25, MW-26, and MW-27 are located east of Bound Brook and Cedar Brook and represent the most distal monitoring locations. The TCE concentration in shallow groundwater at MW-25 Port 1 (85 to 95 ft bgs; 0.990 µg/L), which is less than the PRG of 1 µg/L. TCE concentrations at MW-26 and MW-27 were above the PRG (6.00 µg/L at MW-26 Port 1; 95 to 105 ft bgs and 5.90 at MW-27 Port 1; 85 to 95 ft bgs). cDCE was detected at each of these

locations, though at concentrations below the PRG of 70 µg/L (concentration range of 1.5 µg/L at MW-25 to 15 µg/L at MW-27). Existing hydrogeologic conditions in the shallow unit do not appear to support mass transport from the former CDE facility to this portion of the plume; however, vertical gradients do suggest a viable contaminant pathway from the intermediate and deep units. As modeled during the RI, historical pumping of the South Plainfield Wellfield (located north of the former CDE facility; Figure 1-2) and Tingley Lane Wellfield (located northeast of the former CDE facility), in the absence on pumping of the Spring Lake Wells (located north of Spring Lake), yielded a particle track distribution consistent with the low concentrations of TCE and cDCE seen to the northeast of the former CDE facility (Louis Berger and ARCADIS/Malcom Pirnie RI 2012a). The contaminant mass observed at MW-27 and neighboring wells MW-26 and MW-25 was likely transported to this area historically and while the existing groundwater gradients no longer support mass transport to this area, the full thickness of the bedrock matrix is likely loaded with mass and will continue to back-diffuse contaminants into the more transmissive fractures for the foreseeable future.

5.2.1.2 Intermediate Water-Bearing Zone (120 to 185 ft bgs)

Of the 38 monitoring wells included in the LTMP, 24 have sampling intervals within the intermediate water-bearing zone (ERT-1 through ERT-8, MW-13, MW-14D, MW-15D, MW-16 through MW-27, and FPW). These wells provide a total of 31 sampling points within the intermediate water-bearing zone (Table 1-1). Figure 4-2b presents the LTMP Year 2 TCE and cDCE concentrations for each point sampled within the intermediate water-bearing zone.

The areal distribution of TCE and cDCE detected at the top of the intermediate water-bearing zone during LTMP Year 2 is presented in Figure 5-2b. The highest concentrations of TCE and cDCE were reported near the at the downgradient edge of the former CDE facility at MW-16 Port 5 (135 to 145 ft bgs; TCE of 2,000 µg/L, and cDCE of 850 µg/L). Concentrations declined at depths greater than 145 ft bgs.

The contamination distribution in the intermediate water-bearing zone during LTMP Year 2 is north/northwest of the former CDE facility, which is consistent with the BMP (Figure 1-4b). Elevated TCE and cDCE concentrations in wells located to the northwest of the former CDE facility support the RI and BMP observation that soluble contaminant mass has migrated horizontally and vertically from the former source area. Also consistent with the BMP TCE and cDCE values exceeding the PRGs were detected in wells north of Bound Brook. The highest medial plume TCE concentrations were reported at MW-20 Port 3 (125 to 135 ft bgs; 240 µg/L). The highest medial plume cDCE concentrations were reported at MW-20 Port 4 (175 to 185 ft bgs; 300 µg/L). MW-20 is located along the centerline of the plume axis. The distribution of contaminant mass in this portion of the plume is consistent with the direction of groundwater movement under the current hydrogeological setting. The associated vertical head measurements at MW-20 indicates an upward gradient between Port 4 (175 to 185 ft bgs) and Port 1 (25 to 35 ft bgs); and a downward gradient between Port 4 (175 to 185 ft bgs) and Port 5 (205 to 215 ft bgs), and a downward gradient between Port 5 (205 to 215 ft bgs) and Port 8 (355 to 365 ft bgs). Vertical gradients indicate the potential for vertical mass transport, which is consistent with the RI and BMP.

TCE concentrations at MW-25, MW-26, and MW-27 in the distal portion of the plume exceeded the PRG (1 µg/L), with concentrations ranging from 2.1 µg/L (MW-25 Port 2; 175 to 185 ft bgs) and (MW-27 Port 2; 180 to 190 ft bgs) to 5.2 µg/L (MW-26 Port 2; 175 to 185 ft bgs) . TCE concentrations similar to those at cross-gradient wells MW-23 (6.2 µg/L in Port 2; 120 to 130 ft bgs and 6.5 µg/L in Port 3; 170 to 180 ft bgs), and MW-24 (6.4 µg/L in Port 2; 135 to 145 ft bgs), and over an order of magnitude lower than concentrations in the medial portion of the plume at MW-20 (140 µg/L at Port 4; 175 to 185 ft bgs and 240 µg/L at Port 3; 125 to 135 ft bgs). This suggests a trend of steady attenuation in the north/northeastern direction consistent with the BMP data. cDCE concentrations show the same pattern of attenuation near the distal edge of the plume, with concentrations below the PRG of 70 µg/L (ranging from 3.7 µg/L at MW-25 Port 2 to 8.8 µg/L at MW-26 Port 2).

5.2.1.3 Deep Water-Bearing Zone (200 to 250 ft bgs)

Of the 38 monitoring wells included in the LTMP, 14 have sampling intervals within the deep water-bearing zone (MW-13, MW-14D, MW-16 through MW-25, MW-27, and FPW). These wells provide a total of 16 sampling points within the deep water-bearing zone (Table 1-1). Figure 4-2c presents the LTMP Year 2 TCE and cDCE concentrations for each point sampled within the deep water-bearing zone.

The areal distribution of TCE and cDCE detected in the deep water-bearing zone during LTMP Year 2 is presented in Figure 5-2c. The highest TCE concentrations were reported at MW-16 Port 7 (195 to 205 ft bgs; 450 µg/L) located at the downgradient edge of the former CDE facility and at offsite well MW-17 Port 3 (235 to 245 ft bgs; 780 µg/L) located proximal to the former CDE facility. The highest cDCE concentrations were reported at also reported at MW-16 Port 7 (195 to 205 ft bgs; 550 µg/L) and offsite well MW-17 Port 3 (235 to 245 ft bgs; 540 µg/L).

The contamination distribution in the deep water-bearing zone is north and northwest of the former CDE facility, which is consistent with the BMP (Figure 1-4c). The highest medial plume TCE concentrations were reported at MW-20 Port 6 (250 to 260 ft bgs; 420 µg/L). The highest medial plume cDCE concentrations were reported at MW-20 Port 5 (205 to 215 ft bgs; 330 µg/L). MW-20 is located along the centerline of the plume axis. The distribution of contaminant mass in this portion of the plume is consistent with the direction of groundwater movement under the current hydrogeological setting.

In the distal portion of the plume, TCE was reported above the PRG of 1 µg/L at MW-25, MW-26, and MW-27, with concentrations above 10 µg/L at MW-25 Port 4 (275 to 285 ft bgs; 16 µg/L) and MW-27 Port 3 (225 to 235 ft bgs; 23 µg/L).

The contaminant mass observed at the distal end of the plume was likely transported to this area under a different hydrogeologic regime; transport was likely facilitated by the pumping of the Tingley Lane and South Plainfield Wellfields (located northeast and north of the former CDE facility; Figure 1-2). The existing groundwater gradients no longer support mass transport to this area, but the full thickness of the bedrock matrix is likely loaded with mass and will continue to back-diffuse contaminants for the foreseeable future.

TCE concentrations at MW-25 and MW-27 were over an order of magnitude lower than concentrations in the medial portion of the plume at MW-20 (up to 420 µg/L at Port 6; 250 to 260 ft bgs). This suggests a trend of steady attenuation in the distal part of the plume. cDCE concentrations show the same pattern of attenuation near the distal edge of the plume, with concentrations below the PRG of 70 µg/L (1.4 to 15 µg/L at MW-25; 0.14 to 5.7 µg/L at MW-26; and 2.1 to 44 µg/L at MW-27).

5.2.1.4 Bedrock Groundwater Outside of Established Zones (>250 ft bgs)

Of the 38 wells in the LTMP, 10 have sampling intervals below the representative bedrock water-bearing zones established for the RI and BMP, specifically below 250 ft bgs, the assigned bottom of the deep zone (MW-19 through MW-27 and FPW). These wells provide a total of 31 sampling points below 250 ft bgs (Table 1-1). Figure 4-2d presents the TCE and cDCE concentrations at each sample point below 250 ft bgs.

Groundwater contaminant concentrations below 250 ft bgs are presented in three cross-sections spanning the Site: A-A' extending south to north through the central portion of the Site, B-B' extending west to east through OU3 along the downgradient edge of the former CDE Facility, and C-C' extending west to east through the northern portion of the plume (Figure 1-3). Each cross-section includes the following wells:

- A-A': MW-10, ERT-1, MW-14S/D, FPW, MW-16, ERT-3, MW-20, MW-23, and MW-25
- B-B': ERT-5, MW-18, ERT-2, MW-17, FPW, and MW-13
- C-C': MW-24, MW-19, MW-23, MW-26, and MW-27.

Figure 5-3a presents the TCE plume along cross-section A-A'. The wells along this cross-section are located north of the former CDE facility. Wells along this cross-section with sampling intervals below 250 ft bgs include FPW within the former CDE Facility; MW-20 within the medial portion of the plume; and MW-23 and MW-25 in the distal portion of the plume. Concentrations of TCE in these wells generally decline to the north of the former CDE facility, and with increased depth. The maximum TCE concentration in deep groundwater was reported at MW-20 Port 6 (250 to 260 ft bgs; estimated 420 µg/L). Concentrations declined at with depth at MW-20 Port 7 (297 to 307 ft bgs; 31 µg/L) and MW-20 Port 8 (355 to 365 ft bgs; 280 µg/L). At well MW-25 in the distal portion of the plume, TCE was reported above the PRG of 1 µg/L at Ports 2 through 6, with the maximum concentration reported at Port 4 (275 to 285 ft bgs; 16 µg/L) and concentrations declined with depth at MW-25 Port 5 (345 to 355 ft bgs; 1.5 µg/L) and MW-25 Port 6 (435 to 445 ft bgs; 6.8 µg/L).

Figure 5-3b presents the results along cross-section B-B'. FPW is the only well on this transect with sampling intervals below 250 ft bgs. Concentrations at FPW Port 8 (268 to 278 ft bgs; 41 µg/L) and FPW Port 9 (23 µg/L) are an order of magnitude greater than the TCE concentration in

the deep-water-bearing zone at Port 6 (200 to 205 ft bgs; 1.7 µg/L) and generally consistent with the TCE concentration at Port 7 (235 to 245 ft bgs; 28 µg/L).

Figure 5-3c presents the results along cross-section C-C'. Each well along this cross-section has sampling intervals below 250 ft bgs. TCE concentrations along this cross-section generally decline with distance from the central maximum reported at MW-23 Port 9 (444 to 454 ft bgs; 170 µg/L). TCE concentrations also decline with depth at distal wells MW-26 and MW-27, with TCE declining to below the 1 µg/L PRG in the deepest sampling points at MW-26 Port 6 (455 to 465 ft bgs; estimated concentration of 0.47 µg/L) and MW-26 Port 7 (460-470 ft bgs; estimated concentration of 0.230 µg/L).

MW-21 and MW-22 have sampling intervals below 250 ft bgs and are not included in one or more cross-sections. These wells are in the medial portion of the TCE plume downgradient of the former CDE facility and generally south of South Plainfield High School. The deepest ports at MW-21 are screened at 260-270 ft bgs (MW-21 Port 5), 428-438 ft bgs (MW-21 Port 6), 485-495 ft bgs (MW-21 Port 7), and 505-515 ft bgs (MW-21 Port 8). TCE concentrations in these ports ranged from 2.5 µg/L (MW-21 Port 7) to 8.9 µg/L (MW-21 Port 6). TCE concentrations in sample points below 250 ft bgs are an order of magnitude lower than TCE concentrations in the shallow, intermediate, and deep-water-bearing zone sample points (27-17 µg/L). The deepest port at MW-22 is screened at 305-315 ft bgs (MW-22 Port 4). TCE at this port was detected at a concentration of 9.9 µg/L, which is an order of magnitude less than the concentration detected in the deep water-bearing zone at MW-22 Port 3 (210-220 ft bgs; 28 µg/L).

cDCE concentrations at the deepest MW-21 ports ranged from 11 µg/L (MW-21 Port 5) to 0.51 µg/L (MW-21 Port 8), with concentrations decreasing with depth. Concentrations in the deepest ports were an order of magnitude lower than cDCE concentrations in the shallow, intermediate, and deep-water-bearing zone sample points (32-40 µg/L). cDCE at MW-22 Port 4 (305-315 ft bgs) was reported at a concentration of 220 µg/L. This was the highest concentration detected at MW-22. cDCE concentrations in the shallow, intermediate, and deep-water-bearing zone ports at MW-22 ranged from 4.6 µg/L (MW-22 Port 1; 45-55 ft bgs) to 100 µg/L (MW-22 Port 3; 210-220 ft bgs).

5.2.2 Polychlorinated Biphenyl Contaminant Distribution

Figures 5-4a, 5-4b, and 5-4c present the aerial distribution of total PCB Aroclor concentrations in the shallow, intermediate, and deep water-bearing zones. Detections of PCB Aroclors were limited to onsite wells.

The highest concentrations of PCBs were reported near the center of the former CDE facility, which is consistent with historical sampling events (Figure 1-7). PCB Aroclor concentrations exceeding PRGs are limited to the shallow water-bearing zone, with the exception of source area wells MW-14S/MW-14D (discussed in further detail below). The maximum concentration of total PCBs was found at MW-14S Port 2 (173 µg/L). Total PCB Aroclors were reported within the intermediate water-bearing zone in samples collected from MW-14D Port 2 (123 to 133 ft bgs; 88 µg/L) and within the deep water-bearing zone at MW-14D Port 3(199 to 209 ft bgs; 92 µg/L).

Total PCB concentrations at the downgradient edge of the former CDE facility were detected in shallow groundwater only at MW-01A (24 to 49 ft bgs; 0.29 µg/L), and MW07 (43 to 58 ft bgs at 0.55 µg/L). PCBs were not detected at MW-16. In addition, PCBs were not detected in offsite wells proximal to the former CDE facility (ERT-2 Ports 1, 2, and 4 through 7; ERT-5 Ports 5 and 6; ERT-7 Ports 1-5; and MW-17 Ports 1-3). These wells were sampled during LTMP Year 2 to provide information necessary to define the lateral edge of the PCB plume and ensure that PCBs are not migrating offsite at depth.

Mobility of PCBs is limited by their low water solubility and their affinity to sorb onto soil and bedrock particles (ATSDR 1994, 2000) due to high organic-carbon partition coefficient values (approximately two to three orders of magnitude higher than that of TCE), which is consistent with their general lack of downgradient migration from the bedrock beneath the overburden source area compared to chlorinated VOCs. The more highly chlorinated Aroclors sorb more strongly than the less chlorinated Aroclors, reflecting their differences in water solubilities and octanol-water partition co-efficients.

Monitoring of PCBs in offsite wells ERT-3 Port 3, ERT-5 Port 6, ERT-6 Port 5, MW-22 Port 3, MW-24 all ports, and MW-26 Ports 1 and 6 was conducted during LTMP Year 2 to confirm or discount outlying concentrations detected at offsite wells during single, isolated sampling events conducted as part of the BMP or LTMP Year 1. PCBs were not detected at these locations during LTMP Year 2. Based on the fate and transport properties of PCBs, it is unlikely that previous outlying concentrations previously detected in offsite wells were related to the former CDE facility.

5.2.2.1 Bedrock Groundwater Outside of Established Zones

PCB Aroclors were not detected in any samples below the established bedrock groundwater zones.

5.3 COMPARISON OF HISTORICAL AND RECENT ANALYTICAL RESULTS

A summary of the site history and previous investigations conducted since 2000 is provided in Section 1.1. Details of the FWENC investigation are presented in the FWENC Data Summary Evaluation Report (FWENC 2001a), and details for studies conducted in 2008, 2009, 2010, and 2011 are presented in the Final RI Report for OU3 (Louis Berger and ARCADIS/MP 2012).

Data generated during the LTMP Year 2 were compared to the LTMP Year 1 analytical data (EA 2019) to determine whether the extent of groundwater contamination attributable to the Site is remaining stable and not expanding beyond the CEA. The results from LTMP Year 2 are largely consistent with the results presented in the LTMP Year 1 Report (EA 2019). The maximum TCE and cDCE concentrations continued to be reported at MW-14S and MW-11 in the southwest/central portion of the former CDE facility property; identified as the former source area. Concentrations generally declined with distance from the former source area and with depth, with noted exceptions at MW-17, MW-20, MW-22, and MW-23, which is consistent with BMP analytical results (Louis Berger 2018). Relatively low concentrations of TCE and cDCE at the

distal end of the plume, particularly at MW-26 and MW-27 continue to suggest that the attenuation capacity of the bedrock matrix is high.

The primary COC results (TCE, cDCE, and PCBs) from a select group of wells sampled by EPA in 2008, Louis Berger as part of the RI (2009–2010), Louis Berger during the BMP (2016–2017), and EA during the LTMP Year 1 (Spring and Fall 2018, and Spring 2019) have been plotted to assess general temporal concentration trends in various parts of the plume. Qualitative and quantitative evaluations are presented in the following sections.

5.3.1 Qualitative Evaluation

A comprehensive analysis of groundwater data for TCE, cDCE, and total PCBs was performed to determine contaminant plume behavior over time. Time-series plots of concentrations were developed for a select group of wells based on general location both laterally and with vertically, and adequate historical data density.

The wells selected for trend analysis of TCE and cDCE are as follows:

- Upgradient plume edge – MW-10 and ERT-1
- Former source area – MW-11 and MW-14S/D
- Downgradient edge of former CDE facility/OU2 property – MW-01A/MW-16
- Plume (proximal) - ERT-4
- Plume (medial) – MW-19, MW-20, MW-21, and MW-24
- Plume (distal) – MW-23, MW-25, and MW-26.

The wells selected for preliminary analysis of total PCBs are as follows:

- MW-11 and MW-14S/D – former source area
- MW-12 and MW-06 – plume (proximal)
- MW-01A/MW-16 –plume (distal).

Trend plots are presented in Appendix I.

5.3.2 Quantitative Evaluation

The Mann-Kendall Test was used to statistically evaluate trends in TCE, cDCE, and total PCB concentrations over time in the representative wells. The Mann-Kendall Test is a non-parametric test that can be used to define the stability of a solute plume (i.e., stable, diminishing, or expanding) based on concentration trends at individual wells. To evaluate plume stability, four or more independent sampling events are required. The Mann-Kendall Test was applied in accordance with EPA data quality assessment guidance (EPA 1998).

The following steps comprise the Mann-Kendall Test:

- ***Step 1—Well Data*** – Contaminant concentrations are entered for each sampling event. Only those events for which numeric or non-detect (ND) values are available are included. In the event of a ND value, one-half the laboratory reporting limit was used for previous sampling events.

- ***Step 2—Data Comparisons*** – Compare data sequentially, comparing sample event 1 to sample events 2 through n, then sampling event 2 to sampling events 3 through n, etc. Each row is filled with a 1, 0, or -1 as follows:

  — Concentration of Event xi > Event 1: Enter +1
  — Concentration of Event xi = Event 1: Enter 0
  — Concentration of Event xi < Event 1: Enter -1

Where: n = total number of sampling events
x_i = value of given sample event, with i = 2 to n

All rows are completed in the same manner until all sampling events are included:

- ***Step 3—Mann-Kendall Statistic*** – Each row is then summed (e.g., 0+0+-1+-1+0 = -2) and the sum is recorded in the far right-hand column. The right-hand column is then summed to get the total sum. This total value represents the Mann-Kendall Statistic "S" for the data from an individual well.

- ***Step 4—Determine Probability p*** – A probability table in EPA (1998) was used to determine the probability p.

- ***Step 5—Hypothesis Testing*** – The null hypothesis (no trend) was tested against H_1 (upward trend) and H_2 (downward trend). A 95 percent confidence interval was used for hypothesis testing.

Mann-Kendall plots are provided in Appendix J. Results of the Mann-Kendall analyses are summarized in tables for each water-bearing zone and are included in Appendix J.

5.3.3 TCE and cDCE Trend Analysis

5.3.3.1 Upgradient Plume Edge

TCE and cDCE concentrations demonstrate a decreasing trend in the upper portion of the shallow water-bearing zone at the upgradient edge of former CDE facility boundary as shown by trend plots and Mann Kendall testing at MW-10 (37 to 52 ft bgs) and ERT-1 Port 1 (24 to 29 ft bgs), Port 2 (33 to 43 ft bgs). TCE concentrations demonstrated a decreasing trend at ERT-1 Port 3 (46 to 56 ft bgs); a probably decreasing trend at ERT-1 Port 4 (59 to 64 ft bgs); and a stable trend at

ERT-1 Port 5 (67 to 77 ft bgs). Mann Kendall testing for cDCE at ERT-1 Port 3 and ERT-1 Port 4 demonstrated stable cDCE concentrations at these sample points over time while cDCE concentrations at ERT-1 Port 5 were decreasing over time.
Mann Kendall testing indicates generally stable TCE and decreasing cDCE concentrations respectively, with depth in the deeper portion of the shallow water-bearing zone at Port 5 (67 to 77 ft bgs). Mann Kendall plots for both TCE and cDCE indicate indiscernible trends for Port 6 (100 to 105 ft bgs), and Port 7 (112 to 117 ft bgs).

Mann Kendall testing for ERT-1 Port 8 (135 to 140 ft bgs), located within the upper portion of the intermediate water-bearing zone, indicated stable TCE concentrations and decreasing cDCE concentrations over time.

5.3.3.2 Former Source Area

Trend plots and the Mann Kendall testing for TCE and cDCE in monitoring well MW-11 (34 to 59 ft bgs) and MW-14S Port 1 (30 to 35 ft bgs) within the former source area indicate a relatively stable trend for TCE and no trend for cDCE in the uppermost portion of the shallow water-bearing zone. Mann Kendall plots for MW-14S Port 2 (41 to 46 ft bgs) indicate no trend for TCE and a probably increasing trend for cDCE. No trend was indicated for both TCE and cDCE at and MW-14S Port 3 (55 to 60 ft bgs). The Mann Kendall test results for the shallow water-bearing zone within the source area are likely related to the presence of DNAPL, which was encountered at MW-14S Port 1 (30 to 35 ft bgs) and MW-14S Port 4 (65 to 70 ft bgs) during LTMP Year 2. The presence of DNAPL is consistent with the BMP event (Louis Berger 2018) and LTMP Year 1 event (EA 2019).

TCE and cDCE concentrations at MW-14D Port 1 (80 to 85 ft bgs) and MW-14D Port 2 within the intermediate water-bearing zone (123 to 133 ft bgs), and MW-14D Port 3 within the deep water-bearing zone (199 to 209 ft bgs) are one to two orders of magnitude lower than concentrations in the MW-14S well ports, and trend graphs and Mann Kendal test results indicate decreasing trends for TCE and cDCE concentrations at MW-14D Ports 1 through 3 over time. Based on the Final RI Report for OU3 (Louis Berger and ARCADIS/MP 2012a), a fracture zone underlies the overburden source area at MW-14S/D at a depth of approximately 67 ft bgs. At MW-14D beneath the overburden source area, the highly transmissive fracture zone marks a sharp decrease in both rock matrix and aqueous CVOC concentrations. The fracture zone limited vertical migration of the aqueous mass at the former CDE facility with depth and facilitated downgradient transport of contaminant mass along a preferential (high transmissivity) pathway.

5.3.3.3 Downgradient Edge of Former CDE facility/OU2 Property

TCE concentrations at the downgradient edge of the former CDE facility property at MW-01A and MW-16 are generally stable, demonstrate no discernable trends, or are probably decreasing over time as shown by trend plots and Mann Kendal testing at MW-01A and each port at MW-16. No discernable trend was noted for the upper portion of the shallow water-bearing zone at MW-01A (24 to 49 ft bgs) while stable trends were noted for MW-16 Port 1 (20 to 30 ft bgs) and MW-16 Port 2 (40 to 50 ft bgs). The TCE concentration was noted as probably decreasing in the

base of the shallow water-bearing zone at MW-16 Port 4 (108 to 118 ft bgs). In the intermediate water-bearing zone, no discernable trend was noted at MW-16 Port 5 (135 to 145 ft bgs) and a probably decreasing trend was noted at MW-16 Port 6 (170 to 180 ft bgs). In the deep water-bearing zone, no discernable trend was noted at MW-16 Port 7 (195 to 205 ft bgs).

cDCE concentrations at the downgradient edge of the former CDE facility property at MW-01A and MW-16 were variable. Concentrations over time demonstrated a decreasing trend in the upper portion of the shallow water-bearing zone at MW-01A (24 to 49 ft bgs) and MW-16 Port 1 (20 to 30 ft bgs), and a probably decreasing trend in MW-16 Port 2 (40 to 50 ft bgs). In the lower portion of the shallow water-bearing zone, a probably increasing trend was noted for MW-16 Port 3 (85 to 95 ft bgs), and a stable trend was noted for MW-16 Port 4 (108 to 118 ft bgs). In the intermediate water-bearing zone, there was no discernable trend at MW-16 Port 5 (135 to 145 ft bgs) and a decreasing trend at MW-16 Port 6 (170 to 180 ft bgs). In the deep water-bearing zone, an increasing trend was noted at MW-16 Port 7 (195 to 205 ft bgs).

5.3.3.4 Plume Proximal

TCE Concentrations in the plume proximal to the former CDE facility appear to have decreased or demonstrate no discernible trend in the shallow water-bearing zone, as demonstrated by trend plots and Mann Kendall testing at ERT-4 Port 1 (27 to 37 ft bgs; decreasing trend), ERT-4 Port 2 (46 to 56 ft bgs; no trend), ERT-4 Port 3 (61 to 66 ft bgs; no trend), ERT-4 Port 4 (83 to 88 ft bgs; probably decreasing), ERT-4 Port 5 (decreasing; 91 to 106 ft bgs), and ERT-4 Port 6 (111 to 116 ft bgs; decreasing). In the intermediate water-bearing zone, a decreasing trend was noted at ERT-4 Port 7 (128 to 138 ft bgs; decreasing). Deeper well ports are not available at this location to assess trends over time in the deep water-bearing zone.

cDCE concentrations in the plume proximal to the former CDE facility are generally decreasing or demonstrate no discernable trend as shown by trend plots and Mann Kendal testing at ERT-4. Probably decreasing or decreasing trends were noted at ERT-4 Port 1 and ERT-4 port 4, and decreasing trends were noted in deeper water at ERT-4 Ports 5 through 7. No discernable trends were noted at ERT-4 Port 2 and ERT-4 Port 3.

5.3.3.5 Plume Medial

TCE concentrations in the medial portion of the plume at MW-21 demonstrated no discernable trend for ports 1 through 6; a stable trend for MW-21 Port 7 (485-495 ft bgs), and no discernable trend for MW-21 Port 8 (505-515 ft bgs). cDCE concentrations demonstrated no discernable trends or were stable except for a probably increasing trend at MW-21 Port 2 (87-97 ft bgs).

TCE concentrations at MW-20, which is located within the centerline of the plume axis, are generally stable, demonstrate no discernable trend or are decreasing over time as shown by trend plots and Mann Kendall testing at MW-20. Decreasing and probably decreasing trends were noted in the shallow water-bearing zone at MW-20 Port 1 (25 to 35 ft bgs) and Port 2 (85 to 95 ft bgs), and in the upper portion of the intermediate water-bearing zone at MW-20 Port 3 (125 to 135 ft bgs). Stable trends were noted in the lower portion of the intermediate water-bearing zone at MW-

20 Port 4 (175 to 185 ft bgs) and the upper portion of the deep water-bearing zone at MW-20 Port 5 (205 to 215 ft bgs). Concentrations in deeper sampling intervals below the deep water-bearing zone demonstrated no discernible trend at MW-20 Port 6 (250 to 260 ft bgs) and a probably decreasing trend at MW-20 Port 7 (297 to 307 ft bgs).

cDCE concentrations over time at MW-20 demonstrate probably increasing trends in the uppermost portion of the shallow water-bearing zone (MW-20 Port 1), and stable trends in the lower portion of the shallow water-bearing zone (MW-20 Port 2). Concentration trends over time in the upper portion of the intermediate water-bearing zone were decreasing while concentrations in the lower portion of the intermediate water-bearing zone at MW-20 Port 4 and in the deep water-bearing zone at Port 5 were probably increasing. Concentrations in deeper sampling intervals below the deep water-bearing zone demonstrated an increasing trend at MW-20 Port 6 and a decreasing trend at MW-20 Port 7.

TCE concentrations at MW-19, located north and downgradient from MW-21 and MW-20, showed no trend through the shallow, intermediate, and deep water-bearing zones (ports 1 through 3) and no trend in deeper groundwater at port 4 (257-267 ft bgs). TCE concentrations at port 5 (367-377 ft bgs) demonstrated an increasing trend. TCE has been intermittently detected at port 6 (480-490 ft bgs), with overall decreasing concentrations (0.75 µg/L in The Baseline Round event, 0.25 µg/L in the LTM Year 1 Spring event, and 0.086 in LTM Year 2). TCE has not been detected in port 7 (545-555 ft bgs). cDCE concentrations at MW-19 showed no discernable trend in the shallow and intermediate water-bearing zones and an increasing trend in the deep water-bearing zone at MW-19 Port 3 (200-210 ft bgs). There was no discernable trend for deeper groundwater at MW-19 Port 4, however a probably increasing trend was noted at port 5. cDCE was not detected at MW-19 Port 6 or MW-19 Port 7.

TCE concentrations at MW-24 located in the medial portion of the plume along the western edge of OU-3 demonstrated an increasing trend in the shallow water-bearing zone at MW-24 Port 1 (85 to 95 ft bgs) and decreasing trends in the intermediate and deep water bearing zones at MW-24 Port 2 (135 to 145 ft bgs) and MW-24 Port 3 (240 to 250 ft bgs). TCE Concentrations in deeper sampling intervals below the deep water-bearing zone (ports 4 through 6) were stable or demonstrated no discernable trend. cDCE concentrations at MW-24 were stable, except for a decreasing trend at MW-24 Port 2 and an increasing trend in the deepest sampling interval below the deep water-bearing zone at MW-24 Port 6 (455 to 465 ft bgs).

5.3.3.6 Plume Distal

TCE concentrations for MW-23 Port 1 (60 to 70 ft bgs), Port 2 (120 to 130 ft bgs), Port 4 (226 to 236 ft bgs), Port 5 (258 to 268 ft bgs), Port 6 (316-326 ft bgs) and port 8 (406–416 ft bgs) demonstrate probably decreasing to decreasing trends, otherwise TCE for the remaining ports demonstrate stable or no discernable trends. cDCE concentrations at MW-23 demonstrated primarily stable or no discernable trends, except for a probably decreasing trend in the intermediate water-bearing zone at MW-23 Port 2 (120 to 130 ft bgs) and a probably increasing trend in deeper sampling intervals below the deep water-bearing zone at MW-23 Port 6 (316 to 326 ft bgs).

Distal plume TCE and cDCE concentrations in the shallow, intermediate, and deep water-bearing zones and below the deep water-bearing zone at plume edge wells MW-26 and MW-27 have generally remained constant over time. Exceptions include cDCE concentrations in the deepest ports, with a decreasing concentration at MW-26 Port 6 (455 to 465 ft bgs) and an increasing concentration at MW-27 Port 5 (460 to 470 ft bgs).

Distal plume TCE and cDCE concentrations at plume edge well MW-25 throughout the shallow, intermediate, and deep water-bearing zones and at deeper sampling intervals below the deep water-bearing zone were generally stable or demonstrated no discernable trends over time. Decreasing and probably decreasing trends in TCE concentrations were noted in the shallow water-bearing zone at MW-25 Port 1 (85 to 95 ft bgs), in the deep water-bearing zone at MW-25 Port 3 (200 to 210 ft bgs), and in the deepest sampling interval below the deep water-bearing zone at MW-25 Port 6 (435 to 445 ft bgs). Decreasing and probably decreasing trends in cDCE concentrations were noted in the intermediate water-bearing zone at MW-25 Port 2 (175 to 185 ft bgs) and in the deep water-bearing zone at MW-25 Port 3 (200 to 210 ft bgs).

While a probably increasing trend in cDCE concentrations was noted at MW-23 Port 6, cDCE concentrations at each port at MW-23 during LTMP Year 2 were significantly below the PRG of 70 µg/L. In addition, while an increasing trend in cDCE concentrations was noted at MW-27 port 5, concentrations at each port at MW-27 during LTMP Year 2 were significantly below the PRG. Trends at these wells should continue to be monitored to determine if cDCE concentrations continue to increase or approach the PRG.

5.3.4 Total PCB Trend Analysis

PCB Aroclor trends within the former source area appear to show increasing concentrations in the shallow water-bearing zone at MW14S Port 1 (30 to 35 ft bgs) and MW-14S Port 2 (41 to 46 ft bgs). Concentrations at MW-11 were essentially unchanged between March 2010 and June 2019. PCB concentrations at MW-14S Port 3 showed no discernable trend. DNAPL has continuously been encountered at MW-14S Port 4, and sampling limited sampling has not generated enough data to determine trends in concentrations.

PCB concentrations at the base of the shallow water-bearing zone at MW-14D Port 1 (80 to 85 ft bgs) demonstrated a probably increasing trend from 2009 to the present. No discernable trends were noted in the intermediate water-bearing zone at MW-14D Port 2 (123 to 133 ft bgs) or in the deep water-bearing zone at MW-14D Port 3 (199 to 209 ft bgs).

PCB concentration trends at MW-12 (35 to 60 ft bgs) completed in the shallow water-bearing zone at the proximal portion of the plume have varied, with Mann Kendall testing demonstrating no discernable trends from 2008 to the present. Groundwater elevations reported during the RI suggest preferred flow towards MW-12 from the upgradient source area. Deeper well ports are not available at this location to assess trends over time in the intermediate and deep water-bearing zones (Louis Berger and ARCADIS/MP 2012a).

Distal PCB concentrations in the shallow water-bearing zone at MW-01A have generally remained constant since 2009 with no discernable trends. While Mann Kendall testing indicate no discernable trends through the shallow zone at adjacent well MW-16, low concentrations of PCBs were only detected in the shallow water-bearing zone at MW-16 Port 1 in December 2016 (0.31 µg/L) and April 2018 (0.08 µg/L). PCBs were not detected at the shallow, intermediate, or deep water-bearing zones at MW-16 Ports 2 through 7 since December 2016.

6. CONCLUSIONS AND RECOMMENDATIONS FOR LONG-TERM MONITORING

The LTMP Year 2 event constitutes the second year of groundwater monitoring under the LTMP. The major observations from LTMP Year 2 are outlined below:

- Groundwater isocontours derived from the elevations observed during LTMP Year 2 remain consistent with those presented in the BMP Report (Louis Berger 2018) and the LTMP Year 1 Report (EA 2019). Vertical head measurements continued to be observed in wells north of the former CDE facility, indicating the potential for vertical mass transport in this area.

- The primary COCs at the Site include VOCs (particularly TCE and cDCE) and PCBs. The LTMP Year 2 analytical results for these COCs are largely consistent with those presented in the BMP Report (Louis Berger 2018) and the LTMP Year 1 Report (EA 2019):

  — The highest concentrations of primary COCs continue to be detected in the shallow water-bearing zone wells in the former source area identified (i.e., MW-14S and MW-11). DNAPL was encountered at MW-14S Ports 1 and 4 during LTMP Year 2.

  — Elevated VOC concentrations continue to be detected in wells located to the west/northwest of the former CDE facility, supporting the RI observation that soluble contaminant mass has migrated from the former source area. Concentrations generally decline with distance from the former source area, with notable exceptions at MW-17, MW-20, MW-22, and MW-23. Upward vertical mass transport of VOCs is likely occurring at MW-17 and MW-20 based on vertical hydraulic head profiles. Relatively low concentrations of TCE and cDCE at the distal end of the plume continue to suggest that the attenuation capacity of the bedrock matrix is high.

  — PCBs are limited to wells located at the former CDE facility property.

- Additional COCs identified in the ROD include SVOCs, pesticides, TAL metals, and dioxins/furans.

  — SVOCs were not sampled in LTMP Year 2 based on approved recommendations presented in the LTMP Year 1 Report (EA 2019). Elevated concentrations of select pesticide, TAL metals, and dioxin/furan analytes continue to be detected in groundwater at and downgradient from the former CDE facility.

  — Pesticides continued to be detected at concentrations above assigned PRG primarily in onsite or proximal well locations. Pesticide sampling was discontinued at several monitoring well locations for LTMP Year 2, based on historical non-detections in upgradient and distal plume wells and the approved recommendations presented in the LTMP Year 1 Report (EA 2019).

— The most extensive TAL metals reported in groundwater during LTMP Year 2 were aluminum, arsenic, iron, and manganese; however, consistent with LTMP Year 1 (EA 2019), the LTMP Year 2 concentrations were within the range of background concentrations. These metals are likely naturally occurring. Site-related metals including barium and lead continue to be reported in select locations at concentrations above PRGs.

6.1 EVALUATION OF PROGRAM OBJECTIVES

As discussed in Section 2, the objective of the LTMP is being used to answer the following questions:

- Does the institutional control prevent or minimize potential risks to human and ecological receptors from exposure by contact or ingestion of contaminants in groundwater attributable to the Site?

- Is the extent of groundwater contamination attributable to the Site remaining stable and not expanding beyond the TI zone (CEA)?

- Are the concentrations of contaminants in groundwater from the former CDE facility increasing, stable, or decreasing in the fractured bedrock within and at the downgradient edge the CEA?

While TCE concentrations at the distal wells including MW-23, MW-25, MW-26, and MW-27 continue to be reported above the PRG of 1 µg/L, TCE concentrations at these wells demonstrated stable, decreasing, or no discernable trends over time, suggesting that the TCE plume is not expanding laterally in the distal reaches. cDCE concentrations at these wells were significantly below the below the PRG of 70 µg/L. While probably increasing to increasing trends in cDCE concentrations were noted at MW-23 Port 6 (316-326 ft bgs), and MW-27 Port 5 (460-470 ft bgs), cDCE concentrations at the furthest downgradient wells along the plume edge (MW-25 and MW-26) demonstrated stable, decreasing, or no discernable trends over time, suggesting that the cDCE plume is not expanding laterally beyond the furthest downgradient wells. PCBs are restricted to the former CDE facility and were not detected in distal wells. Therefore, the institutional control continues to prevent or minimize potential risks to human and ecological receptors from exposure by contact or ingestion of contaminants in groundwater attributable to the Site.

The data collected between 2008 and the present indicate that there are sufficient data to make an informed evaluation of the nature and extent of groundwater contamination, and that the monitoring well network is sufficient to assess groundwater contamination in relation to the CEA. Should the hydrogeologic setting change significantly, additional monitoring location(s) may be warranted.

6.2 OPERATIONAL RECOMMENDATIONS

Experience gained during LTMP Year 2 yielded a series of recommendations based on field operations and evaluation of the results. These recommendations will be incorporated in future LTMP events and are summarized in the following paragraphs.

Synoptic gauging is currently conducted prior to purging and sampling of monitoring wells. Due to erroneous measurements at FLUTe™ wells, it is recommended that the pumping system at each port be purged to allow the tubing to refill to the current head value prior to conducting synoptic gauging. The first sampling purge stroke at each well port will be completed prior to conducting synoptic gauging. Water levels will be measured after water levels have recovered. If erroneous measurements are still noted, then water levels will be re-measured following completion of sampling to confirm measurements. Gauging forms will be revised to include the recommended pre-purge of FLUTe™ wells (date, time, volume removed) and to include additional columns for re-measuring of water levels (date, time, water level).

Staff gauge measurements could not be collected during LTMP Year 2 (Spring 2019) as staff gauges were washed out during previous high-stream flows/storms. It is recommended that staff gauges be replaced. Staff gauge locations are presented in Figure 1-3 and in the following table.

Staff Gauge ID	Location	Northing	Easting
S-1	Bound Brook (Upstream)	636932.096624	515007.264009
S-2	Bound Brook (Midstream)	637270.737813	516138.633436
S-3	Bound Brook (Downstream)	635708.370509	516538.84575
S-4	Cedar Brook (Tributary)	636932.096624	515007.264009
S-5	Spring Lake	637270.737813	516138.633436
Note: Northing and Easting coordinates are in NAD 1983 State Plane New Jersey FIPS 2900 feet.			

MW-14S is located within the former source area. DNAPL was encountered at MW-14S Ports 1 and 4 during the BMP (Louis Berger 2018); at MW-14S Port 4 during LTMP Year 1 (EA 2019), and at MW-14S Ports 2 and 4 during LTMP Year 2. Consistent with the recommendations presented in the LTMP Year 1 Report (EA 2019), it is recommended that each port at MW-14S continue to be purged to evaluate the presence of DNAPL. If DNAPL is observed at a well port, it is recommended that purging is discontinued at that port and that sampling is not conducted for any parameter at that port.

Standard monitoring wells were purged and sampled in accordance with the EPA Region 2 Low Stress (or Low Flow) Purging and Sampling Procedure using bladder pumps, which calls for consecutive stable drawdown and water quality readings for pH, conductivity, temperature, ORP, DO, and turbidity. The purpose of low-flow sampling is to agitate the water column in and around the well screen as little as possible; thereby, collecting the most representative sample possible. The EPA Region 2 low-flow protocol specifies 0.3 ft maximum drawdown during the entire course of the purge process. Most wells at the Site that have been sampled using the EPA Region 2 low-flow sampling methodology are able to sustain a flow rate between 100 and 200 milliliters per

minute without exceeding the maximum drawdown of 0.3 ft over the course of the purge process. However, a few wells were unable to stabilize without exceeding the 0.3 ft maximum allowed drawdown, even at a flowrate of 100 milliliters per minute. It is therefore recommended wells that exhibit drawdown greater than 0.3 ft during the low-flow purge process be sampled by the low-yield protocol presented in the EPA Region 2 guidance as follows. At the start of purging a well, flow rates should be set at the minimum rate for the pump. If drawdown exceeds 0.3 ft and the water quality parameters do not stabilize during purging, then the low-yield protocol be implemented. Purging will be discontinued, and the water level will be allowed to recover.[5] Sampling will commence as soon as the volume in the well has recovered sufficiently to allow collection of samples.

Re-sampling of FLUTe^{TM} well ports during an LTM event may need to be conducted if there are issues with analytical samples received by the analytical laboratory. Issues encountered during the LTMP Year 2 event that required re-sampling of FLUTe^{TM} well ports included the following:

- Sample coolers not delivered to the laboratory by the shipping company
- Samples arriving over the required analytical temperature (6 degrees Celsius)
- Air bubbles in volatile organic analyte vials and not enough volume to complete the analysis
- Broken bottles and lost sample volume.

FLUTe^{TM} wells are purged during each LTM event prior to sampling to remove stagnant water that has accumulated in the tubing since completion of the prior event (conducted 6 months to a year prior). This stagnant water can off-gas and may contain chemicals that leached from the sample tubing. Three to four purge strokes are removed prior to sample collection per the UFP-QAPP (EA 2019). If a FLUTe^{TM} well needs to be re-sampled during an LTM monitoring event, as stagnant water has not had time to accumulate and off-gas within the sample tubing, it is recommended that rather than completing a complete re-purge of three to four purge strokes, only one purge stroke will be completed prior to re-sampling.

6.3 CORRECTIVE ACTIONS

The following corrective actions will be implemented for future LTMP events to ensure compliance with the UFP-QAPP:

- Submersible pumps used for purging of standard monitoring wells will be set so that the pump intake is located at the depth presented in Worksheet #18 of the UFP-QAPP (EA 2017a). Tubing will be measured during pump installation so that pumps are set to the

[5] Purging should be interrupted before the water level in the well drops below the top of the pump, as this may induce cascading of the sand pack. Pumping the well dry should therefore be avoided in all cases.

desired depth. Once pumps are installed, tubing at the top of the well casing will be marked so that pumps will be set at the same depth interval during future events.

- Groundwater quality parameters at standard monitoring wells will be monitored at minimum 5-minute intervals during low-flow purging in accordance with the EPA SOP Groundwater presented in Appendix A of the UFP-QAPP (EA 2017a) to ensure turn-over of at least one flow-through-cell volume between water quality parameter readings.

- QA of shipped samples and QC samples should be conducted for each shipment before sent off-site for laboratory analysis. Sample labels will be reviewed and compared against the chain-of-custody form to ensure that labels and chain-of-custody forms are correct and complete, and that shipments match the chain-of-custody forms. A sample tracking table will be maintained to ensure that each sample required is collected and sent to the analytical laboratory for analysis.

6.4 PROGRAM RECOMMENDATIONS

Per the approved UFP-QAPP, based on the LTM results and the presence/absence of site-related contaminants, the frequency of groundwater sampling including the list of wells and/or well ports in the monitoring network, and the list of analytes at each sampling location may be revised with concurrence of the EPA and USACE.

Decision criteria for modifications to sampling frequency and/or sampling locations are as follows:

- The elimination of a well/port may be proposed if the concentration of all site-related COCs are less than the remediation goals for three consecutive sampling events.

- The elimination of an individual analyte or analyte group at a select well/port may be proposed if the concentration(s) of the individual analyte or analyte group are less than the remediation goals for three consecutive sampling events.

- The elimination of a well/port may be proposed if the concentration of all site related COCs show a decreasing trend.

- A reduction in sampling frequency of a well/port may be proposed if the concentration of all site related COCs show a stable or decreasing trend.

- A reduction in sampling frequency of an individual analyte or analyte group at a select well/port may be proposed if the concentration(s) of the individual analyte or analyte group shows a stable or decreasing trend.

- The expansion of the monitoring network (installation of a new well) may be proposed if site-related COCs show an increasing trend at the downgradient extent or side-gradient extent of the CEA.

An evaluation of the BMP and LTMP Year 2 analytical results was conducted to evaluate the frequency of groundwater sampling, including the list of wells and/or well ports in the monitoring network and the list of analytes at each sampling location. A summary of the COC analytical results for each sampling location from the BMP (Louis Berger 2018), LTMP Year 1 (EA 2019), and LTMP Year 2 events is presented in Appendix K, and historical and current summary statistics for each analyte detected in groundwater since the completion of the RI is presented in Table 4-4. Based on this evaluation, the following recommendations are being made regarding subsequent implementation of the LTMP. Revised sampling locations and frequencies are presented in Table 6-1.

Based on the trend analyses conducted in the LTMP Year 1 Report (EA 2019), EPA agreed with reducing the sampling frequency from twice a year to once a year, with sampling during LTMP Year 2 conducted in Spring 2019 only. A second event (Fall 2019) was not conducted during LTMP Year 2. Analytical results from the LTMP Year 2 event were consistent with the results of the BMP (Louis Berger 2018) and LTMP Year 1 (EA 2019). Due to the consistency in the VOC and PCB concentrations and plumes over the past five sampling events, it is recommended that LTM be continued on an annual frequency, rather than returning to the semiannual frequency presented in the UFP-QAPP (EA 2017a).

PCB Aroclor detections are limited to wells located at the former CDE facility. It is recommended that annual monitoring of PCB Aroclors be continued at onsite locations for future sampling events, including standard monitoring wells (MW-01A and MW-03 through MW-12; and each port at onsite FLUTE™ wells ERT-1, MW-14S/MW-14D, MW-15S/MW-15D, FPW, and MW-16), to monitor the extent of the PCB plume both laterally and vertically. It is also recommended that annual monitoring of PCB Aroclors be continued at immediately offsite and downgradient wells ERT-7 Ports 1 through 4, ERT-2 each port, and MW-17 each port; continued monitoring of these locations will provide information necessary to define the lateral edge of the PCB plume and ensure that PCBs are not migrating offsite at depth. It is recommended that monitoring of PCBs at shallow onsite well MW-02A and intermediate offsite sampling point ERT-7 Port 5 be discontinued. PCBs were not detected at MW-02A or ERT-7 Port 5 during the LTMP Year 2 event. In addition, the extent of the plume in shallow groundwater in the vicinity of MW-02A can be determined by sampling shallow ports at upgradient well FPW. The extent of the plume in the intermediate water-bearing zone in the southeast portion of the Site is defined by concentrations at MW-15D Port 1. Therefore, PCB analytical data from MW-02A and ERT-7 Port 5 are not needed to monitor the extent of the PCB plume.

Monitoring of PCBs in offsite wells ERT-3 Port 3, ERT-5 port 6, ERT-6 Port 5, MW-22 Port 3, MW-24 each port, and MW-26 Ports 1 and 6 was conducted during the LTMP Year 2 event to confirm or discount outlying concentrations detected at offsite wells during single, isolated sampling events conducted the BMP (Louis Berger 2018) or LTMP Year 1 (EA 2019) events. PCBs were not detected at these locations during the LTMP Year 2 event. It is therefore recommended that PCB sampling and analysis at these locations is discontinued. Based on the fate and transport properties of PCBs, it is unlikely that previous outlying concentrations previously detected in offsite wells were related to the former CDE facility.

Pesticide concentrations are currently being monitored at wells within and immediately downgradient from the former CDE facility. While the OU3 ROD identifies select pesticides as COCs with established PRGs (Table 1-2), pesticides are not a primary COC. Continued annual pesticide monitoring is recommended for those locations at or in the vicinity of the former CDE source area where analytical data reports continued concentrations of multiple pesticide analytes, with at least one analyte continuously detected at concentrations above PRGs (i.e. standard monitoring wells MW-03 through MW-08, MW-11, and MW-12; and FLUTE™ wells ERT-2 Ports 6 and 7, MW-14S each port, MW-14D each port, MW-16 Port 5). It is recommended that pesticide monitoring be discontinued for sampling points that have continuously been non-detect for pesticide analytes or where pesticide concentrations have been below PRGs for consecutive LTMP events (i.e., standard monitoring wells MW-01A, MW-02, MW-09, and MW-10; and FLUTE™ wells ERT-1 each port, ERT-2 Ports 1 through 5, FPW each port, MW-15S and MW-15D each port, MW-16 Ports 1 through 4 and Ports 6 and 7, and MW-17 each port).[6]

Arsenic, aluminum, iron, and manganese constitute the primary TAL metals analytes reported at concentrations above PRGs during the BMP (Louis Berger 2018), LTMP Year 1 (EA 2019) and LTMP Year 2 events. Concentrations of these analytes were reported at locations across OU3 both laterally and vertically; the RI attributes these analytes to naturally occurring conditions, and concentrations detected during LTMP Year 2 were within the range of background concentrations.

Select TAL metals including barium, chromium, and cadmium reported at concentrations above PRGs in select locations during the LTMP Year 2 event, or during one or more previous monitoring events conducted during the BMP (Louis Berger 2018) or LTMP Year 1 (EA 2019). These locations include Former CDE Facility wells MW-07 (barium) and MW-12 (chromium), and proximal well ERT-2 (barium at Ports 1 and 2). Chromium and barium exceedances were limited to the shallow water-bearing zone, and as presented in the Final RI Report (Louis Berger and ARCADIS/MP 2012a), their occurrence is generally consistent with a historic point source or release from within the former CDE facility. It is therefore recommended that annual monitoring of TAL metals concentrations continue to be conducted in the shallow water-bearing zone within the former source area (MW-14S and MW-11) to monitor source area metals concentrations; and at wells within or proximal to the former CDE facility where barium and chromium were reported at concentrations above PRGs (MW-07, MW-12, and ERT-2 Ports 1 and 2).

TAL metals were sampled during the LTMP Year 2 event at offsite FLUTe™ wells where lead was reported above the PRG during one or more previous sampling events, including source are well MW-14S (ports 2 and 3), former CDE Facility wells MW-03, MW-06, MW-12, FPW (ports 7 and 9) and MW-16 (Ports 4 through 7); proximal wells ERT-7 (Ports 3 and 4 only), MW-13 (Ports 3 and 5 only), MW-17 (Port 3 only), and MW-18 (Port 2 only); medial wells MW-19 (Ports

[6] Gamma-BHC-Lindane was tentatively identified in Fall 2018 only at ERT-1 Ports 1, 4, 6, and 8; MW-15S Port 1 with approximated concentrations above PRG. Gamma-BHC-Lindane concentrations reported above the PRG in Fall 2018 only at ERT-1 Port 7 and FPW Port 4 were rejected by the data validator. Beta-BHC was tentatively identified in Fall 2018 only at MW-17 port 3, with an approximated concentration above the PRG. No other pesticides were detected at these sampling points at concentrations above PRGs during the baseline events, LTMP Year 1 events, or the LTMP Year 2 event, and these pesticides were not detected at the sampling points during the LTMP Year 2 event.

2 and 5 only), MW-21 (Ports 1 through 8), and MW-22 (Port 4 only); and distal wells MW-23 (Port 6 only), MW-24 (Port 1 only), and MW-26 (Port 1 only). Metals samples were also collected from MW-15S (ports 1 and 2), MW-15D (ports 1 and 2). The RI attributed lead concentrations at source area well MW-14S and former CDE Facility well MW-12 to a historic point source or release. Therefore, it is recommended that annual monitoring of lead concentrations continue to be conducted at source area wells MW-14S and MW-11 to monitor source area metals concentrations; and at wells within or proximal to the former CDE facility where lead concentrations continued to be reported at concentrations above PRGs during the LTMP Year 2 event: MW-03, MW-06, MW-12, and MW-16 Ports 5 through 7. It is recommended that sampling for metals be discontinued at those offsite wells where sampling during the LTMP Year 2 event confirmed lead concentrations below PRGs, including ERT-7 Port 3, MW-13 Ports 3 and 4, MW-17 Port 3, MW-18 Port 2, MW-19 Port 5, MW-21 Ports 5 through 8, MW-22 Port 4, MW-23 Port 6, and MW-24 Port 1.

Lead continued to be detected above the PRG at sporadic proximal, medial, and distal sampling points including ERT-7 Port 5, MW-19 Port 2, MW-21 Ports 1 through 4, and MW-26 Port 1. Based on groundwater flow directions, the vertical distribution of metals concentrations within source area wells at the former CDE facility (limited to the shallow), and fate and transport properties of lead, it is not likely that concentrations in sample points wells are a result of a release from the former CDE Facility. The source of lead at these locations is not currently identified. Continued monitoring of metals concentrations at these sampling locations is recommended for the next annual sampling event to further evaluate lead concentrations in groundwater.

6.5 UPDATES TO THE LONG-TERM MONITORING PROGRAM

Per approval from USACE and EPA, sampling will continue to be conducted on an annual frequency, with sampling conducted in Spring 2020 and incorporating the recommendations presented in Sections 6.2, 6.3, and 6.4 and Table 6-1. Groundwater elevation data and analytical data will continue to be evaluated on an annual basis to note any significant hydraulic changes in the aquifer due to a change in pumping rates at wellfields near the Site.

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Figures

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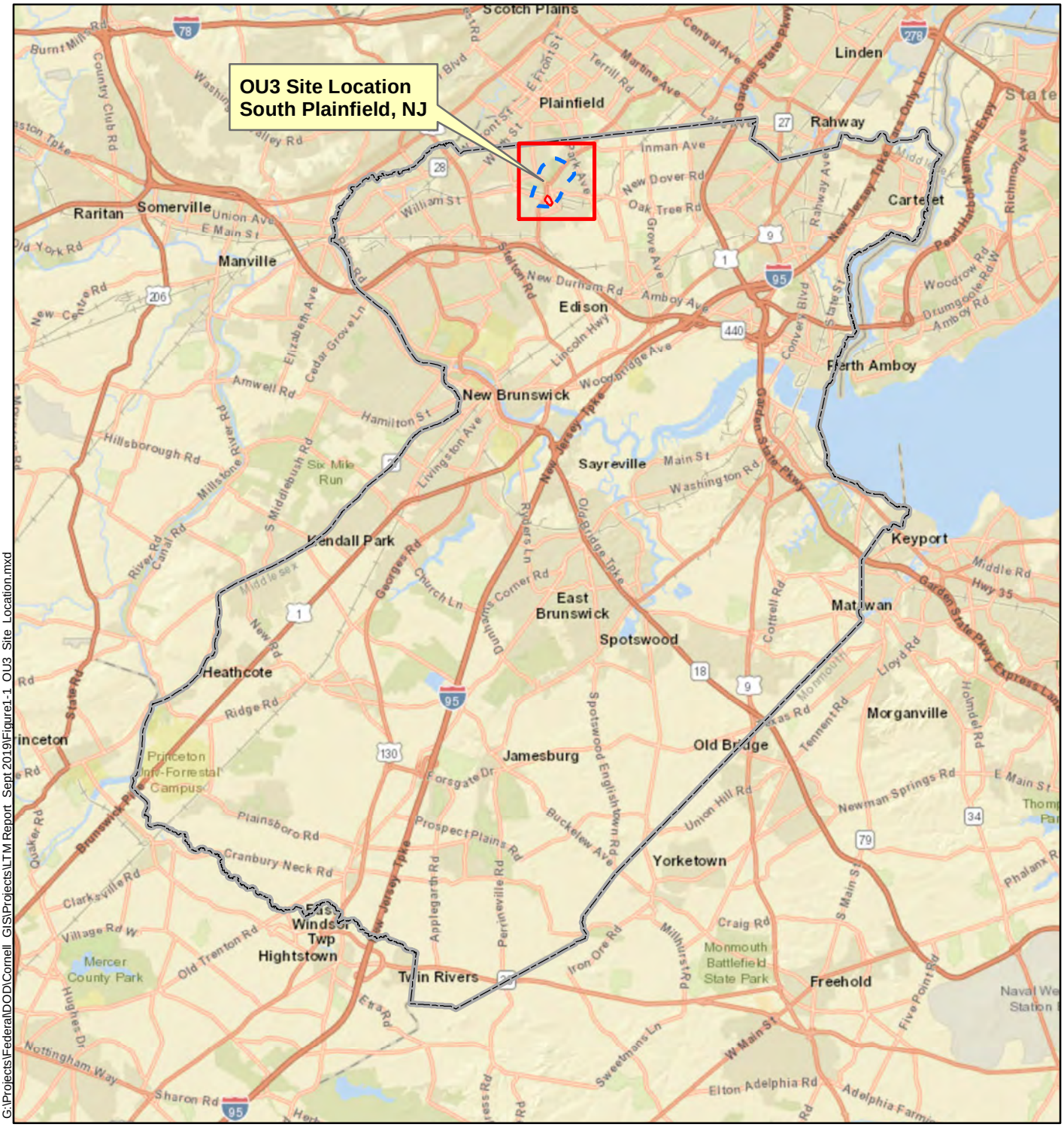
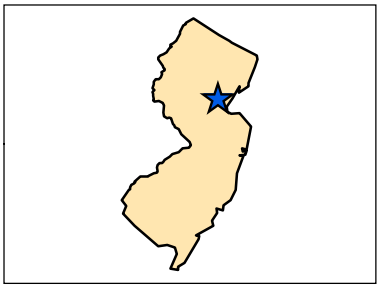


G:\Projects\FederalDOD\Cornell GIS\Projects\LTM Report Sept 2019\Figure1-1 OU3 Site Location.mxd



0 2 4 8
Miles

1 inch = 4 miles

N

Legend

- Middlesex County
- OU3 Site Location

FIGURE 1-1
OU3 SITE LOCATION

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 7/31/2019
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

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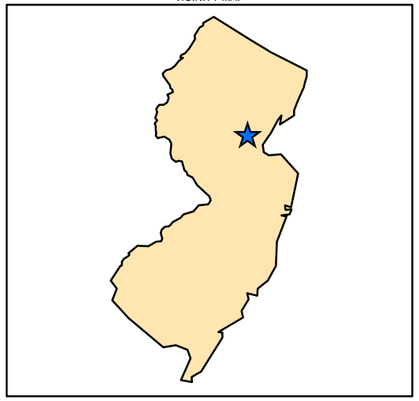
VICINITY MAP



Legend

- Former CDE Facility Boundary (OU2)
- Approximate Extent of OU3
- Offsite Study Area OU1
- Bound Brook (OU4)
- Surface Water Flow Direction
- Pumping Wells (Active and Inactive)

N

0 1,800 3,600
Feet

1 in = 1,500 ft

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

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FIGURE 1-2
SITE MAP
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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Legend

- Former CDE Facility Boundary (OU2)
- Shallow Bedrock Monitoring Well
- FLUTe Well
- OU3 Study Area
- Staff Gauge

FIGURE 1-3
MONITORING WELL LOCATIONS
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

0 700 1,400
Feet

1 in = 700 ft

N

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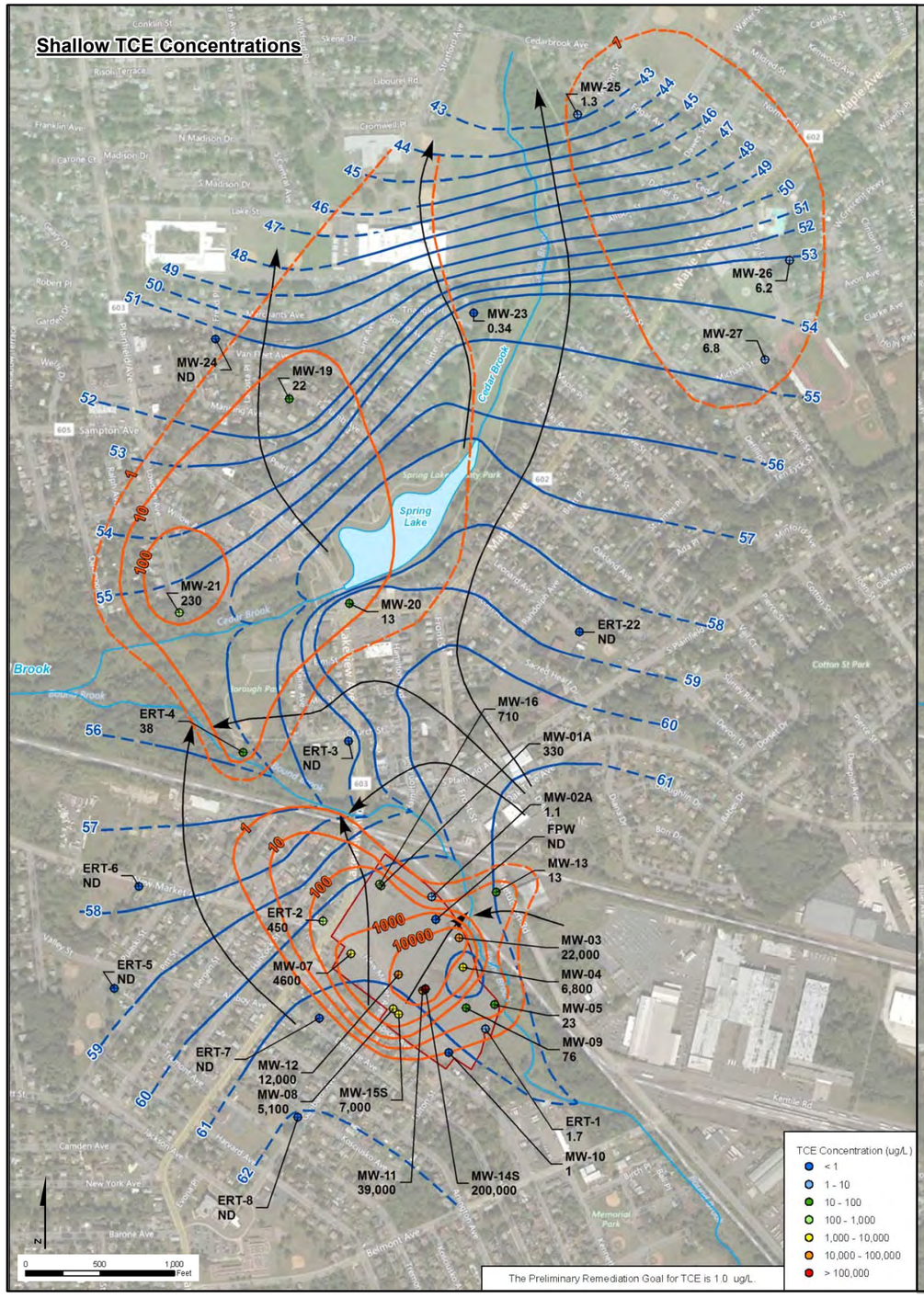

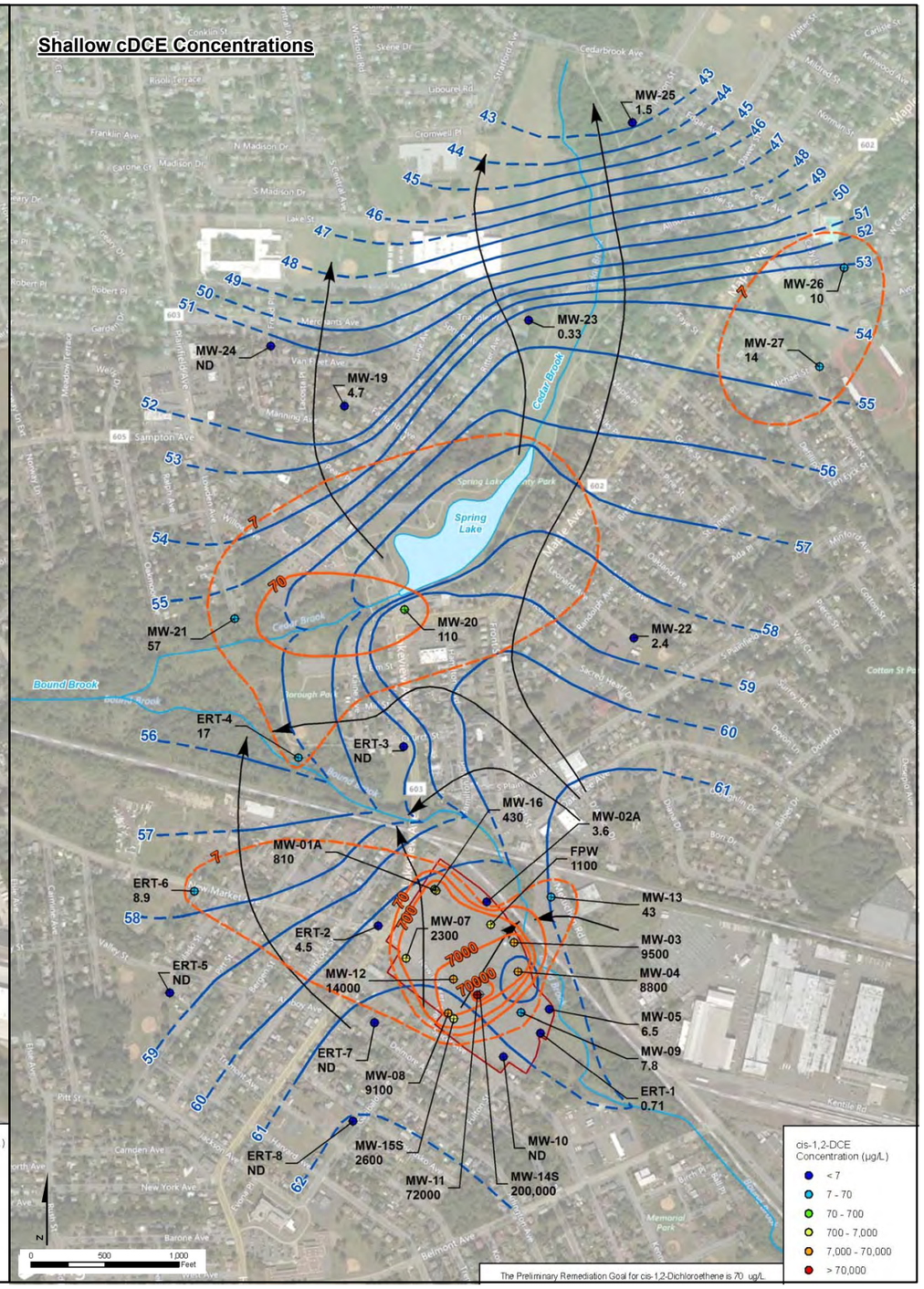

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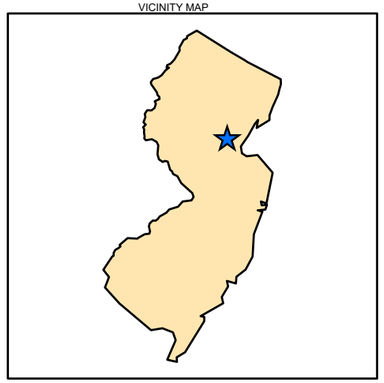

Legend

- Former CDE Facility Boundary (OU2)
- Monitoring Well
- Stream
- Line of Equal VOC Concentration (µg/L) (Dashed where inferred)
- Line of Equal Groundwater Elevation (ft amsl) (Dashed Where Inferred)
- Direction of Groundwater Movement

Source :Louis Berger. 2018. Cornell-Dubilier Electronics Superfund Site, South Plainfield, New Jersey, Operable Unit 3: Groundwater, Remedial Action, Baseline Groundwater Sampling Final Data Summary Report. February.

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 1-4a
BASELINE MONITORING PROGRAM TCE AND cDCE DISTRIBUTION SHALLOW WATER BEARING ZONE (0-120 FT BGS)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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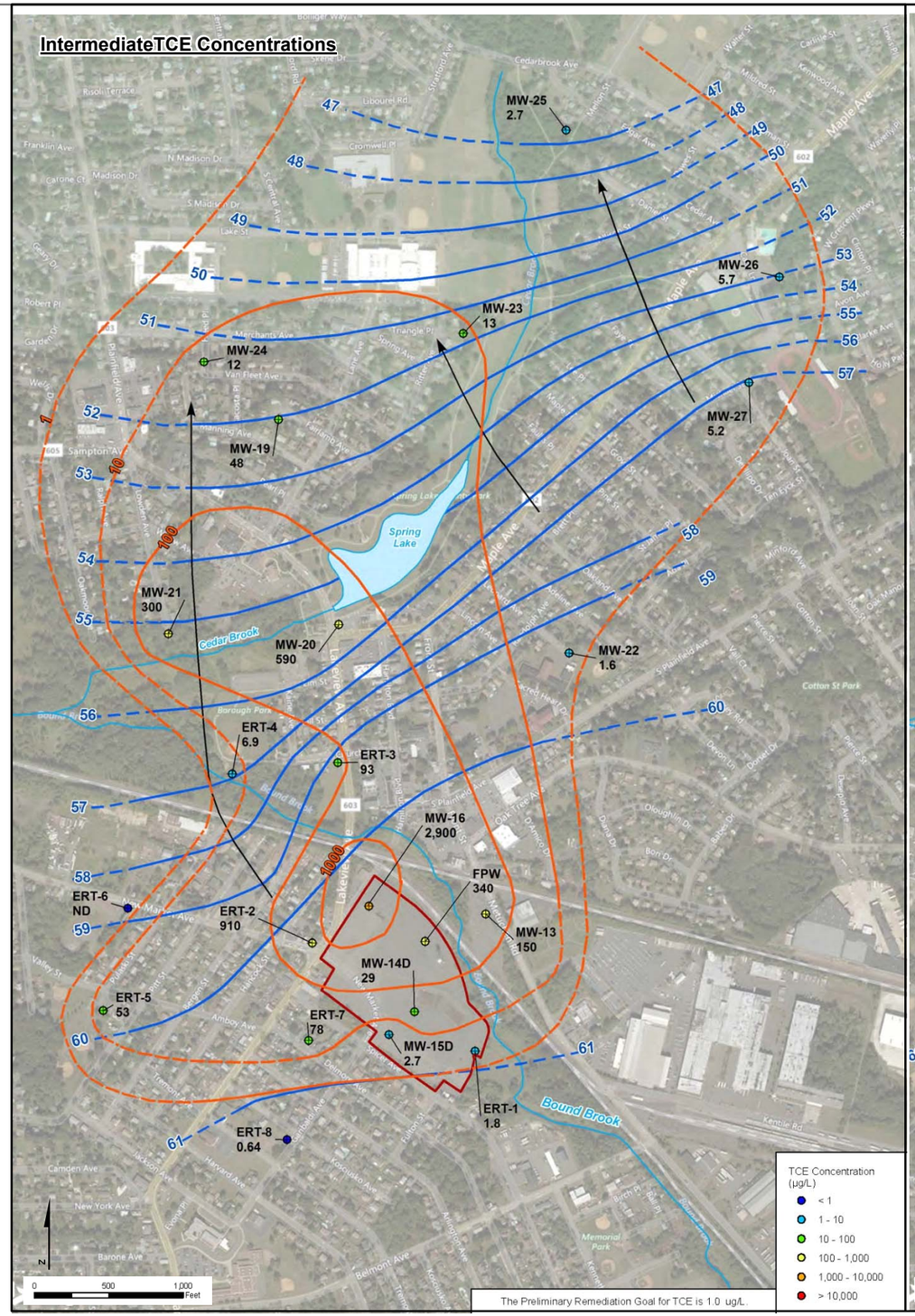

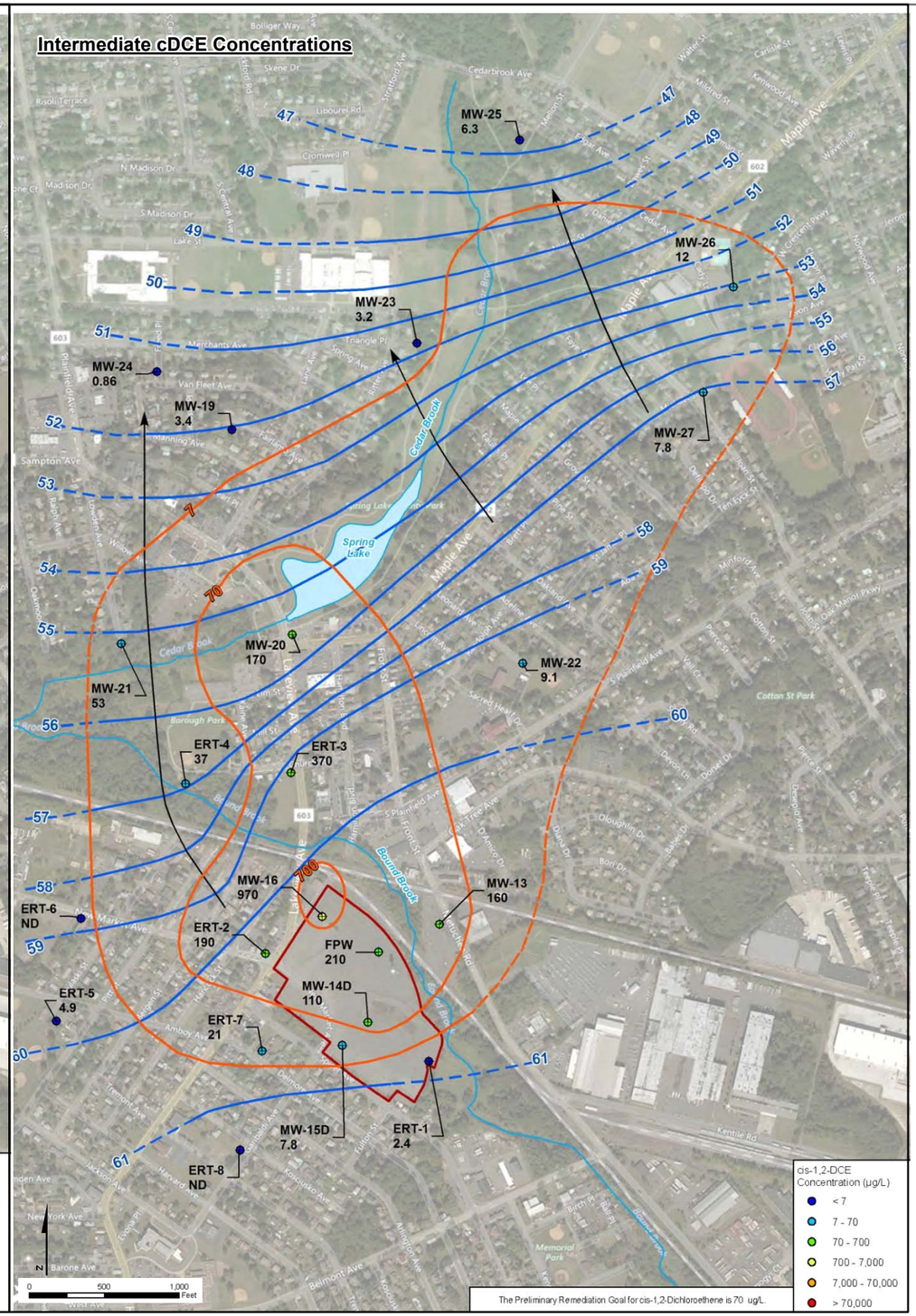

VICINITY MAP

Legend

- Former CDE Facility Boundary (OU2)
- Monitoring Well
- Stream
- Line of Equal VOC Concentration (µg/L) (Dashed where inferred)
- Line of Equal Groundwater Elevation (ft amsl) (Dashed Where Inferred)
- Direction of Groundwater Movement

Source :Louis Berger. 2018. Cornell-Dubilier Electronics Superfund Site, South Plainfield, New Jersey, Operable Unit 3: Groundwater, Remedial Action, Baseline Groundwater Sampling Final Data Summary Report. February.

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 1-4b
BASELINE MONITORING PROGRAM TCE AND cDCE DISTRIBUTION INTERMEDIATE WATER BEARING ZONE (120-185 FT BGS)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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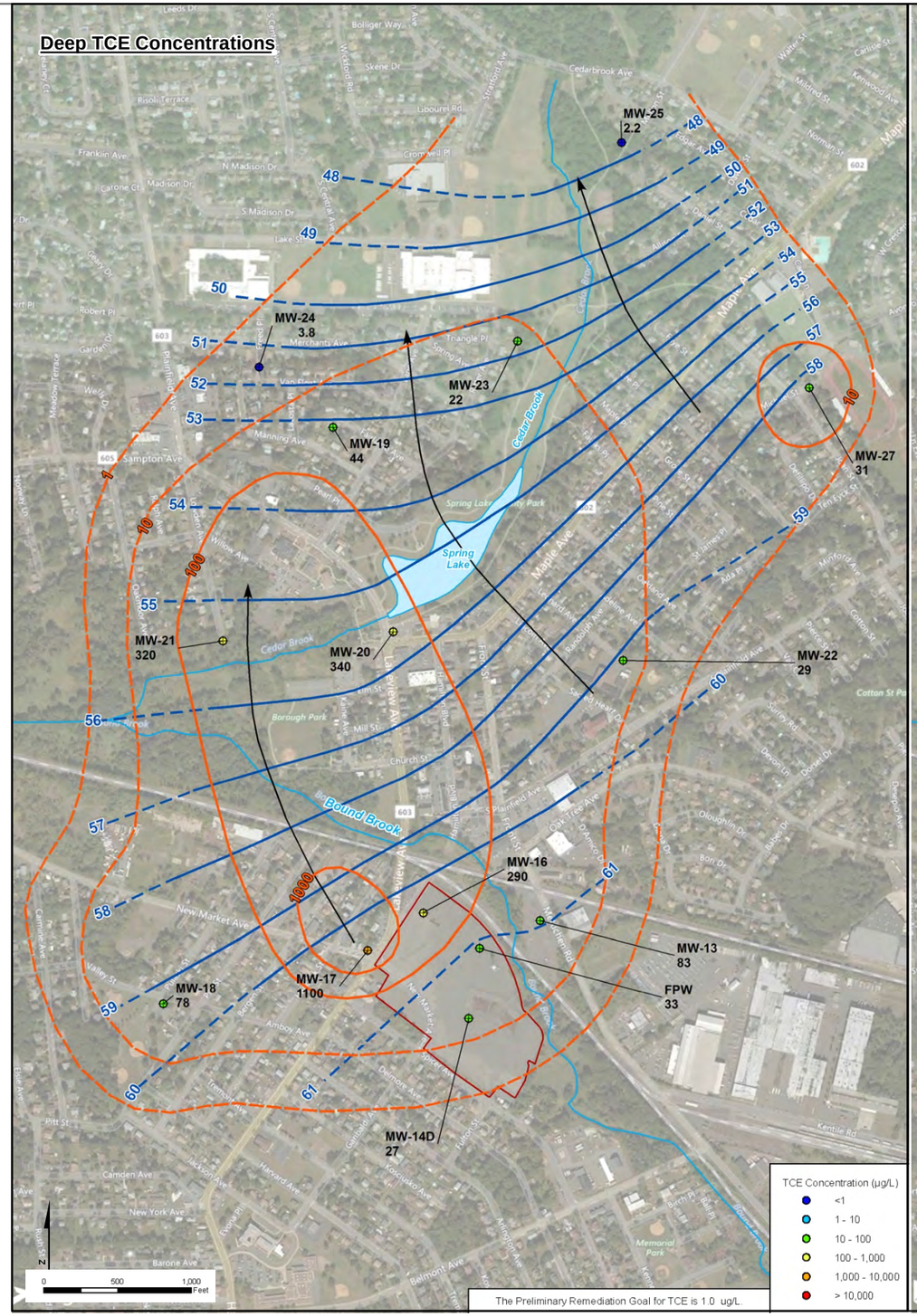

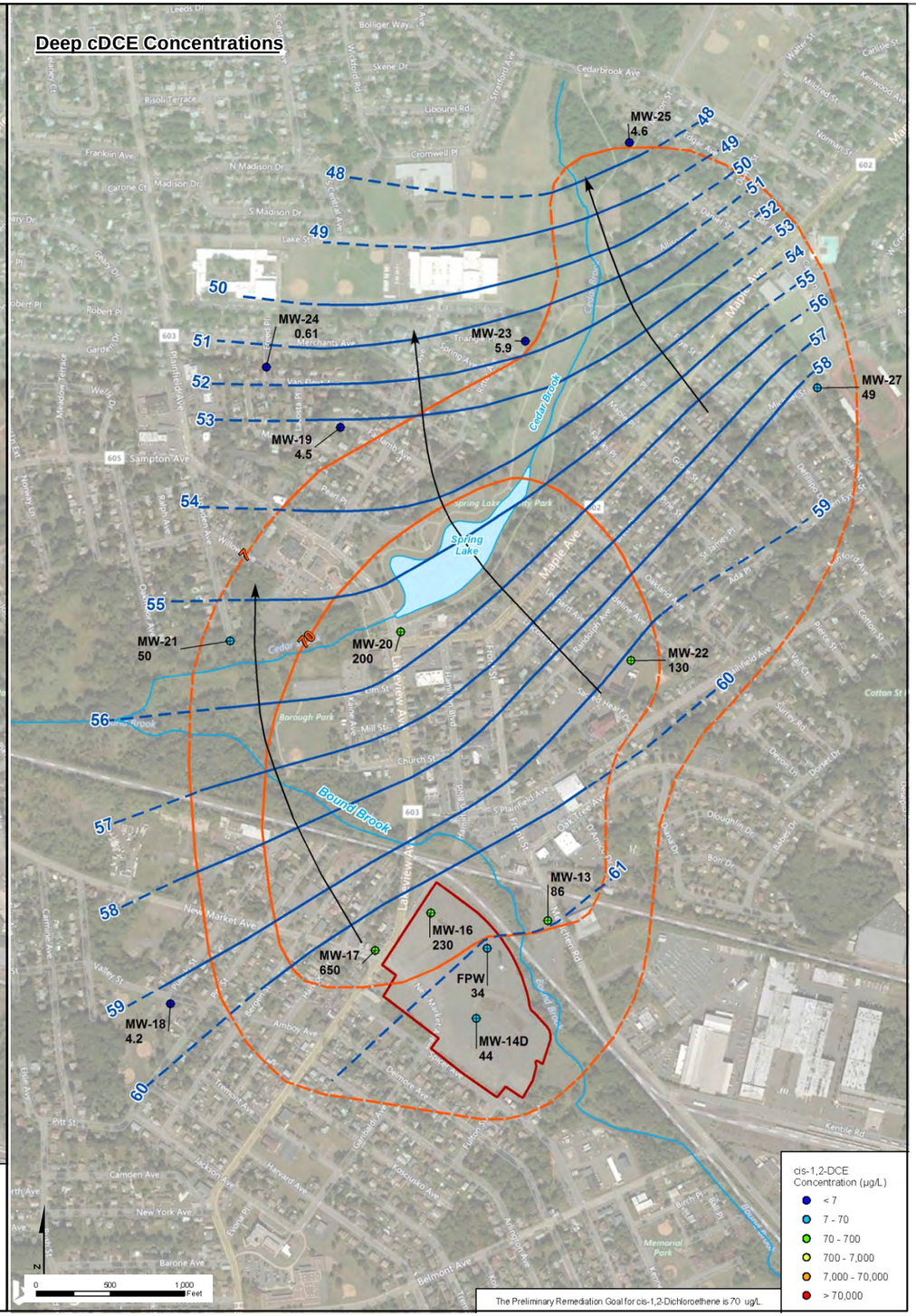

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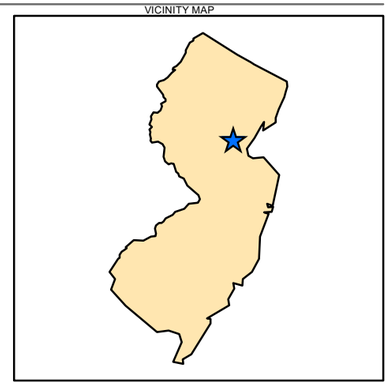

Legend

- Former CDE Facility Boundary (OU2)
- Monitoring Well
- Stream
- Line of Equal VOC Concentration (µg/L) (Dashed where inferred)
- Line of Equal Groundwater Elevation (ft amsl) (Dashed Where Inferred)
- Direction of Groundwater Movement

Source :Louis Berger. 2018. Cornell-Dubilier Electronics Superfund Site, South Plainfield, New Jersey, Operable Unit 3: Groundwater, Remedial Action, Baseline Groundwater Sampling Final Data Summary Report. February.

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 1-4c
BASELINE MONITORING PROGRAM
TCE AND cDCE DISTRIBUTION
DEEP WATER BEARING ZONE
(200-250 FT BGS)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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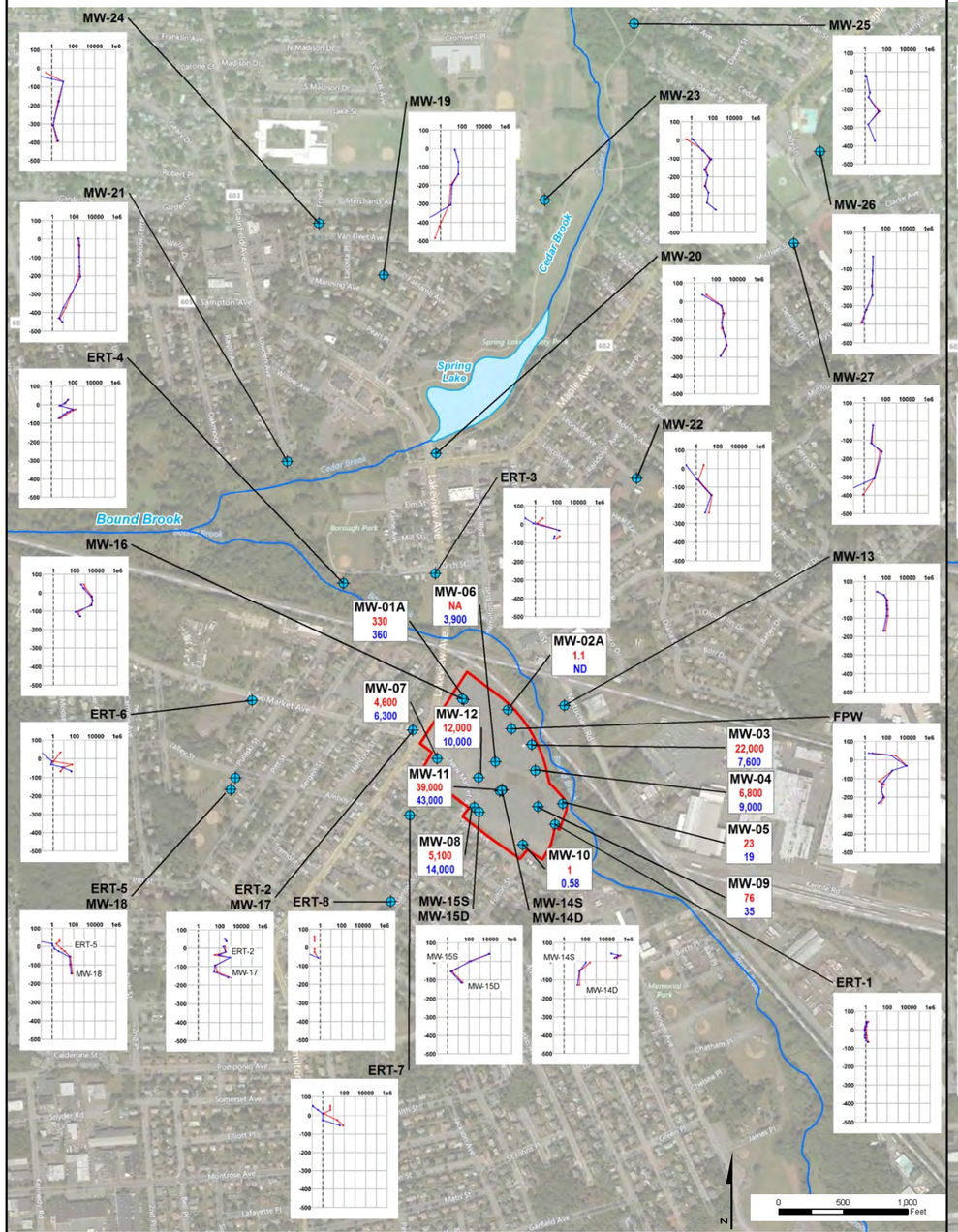
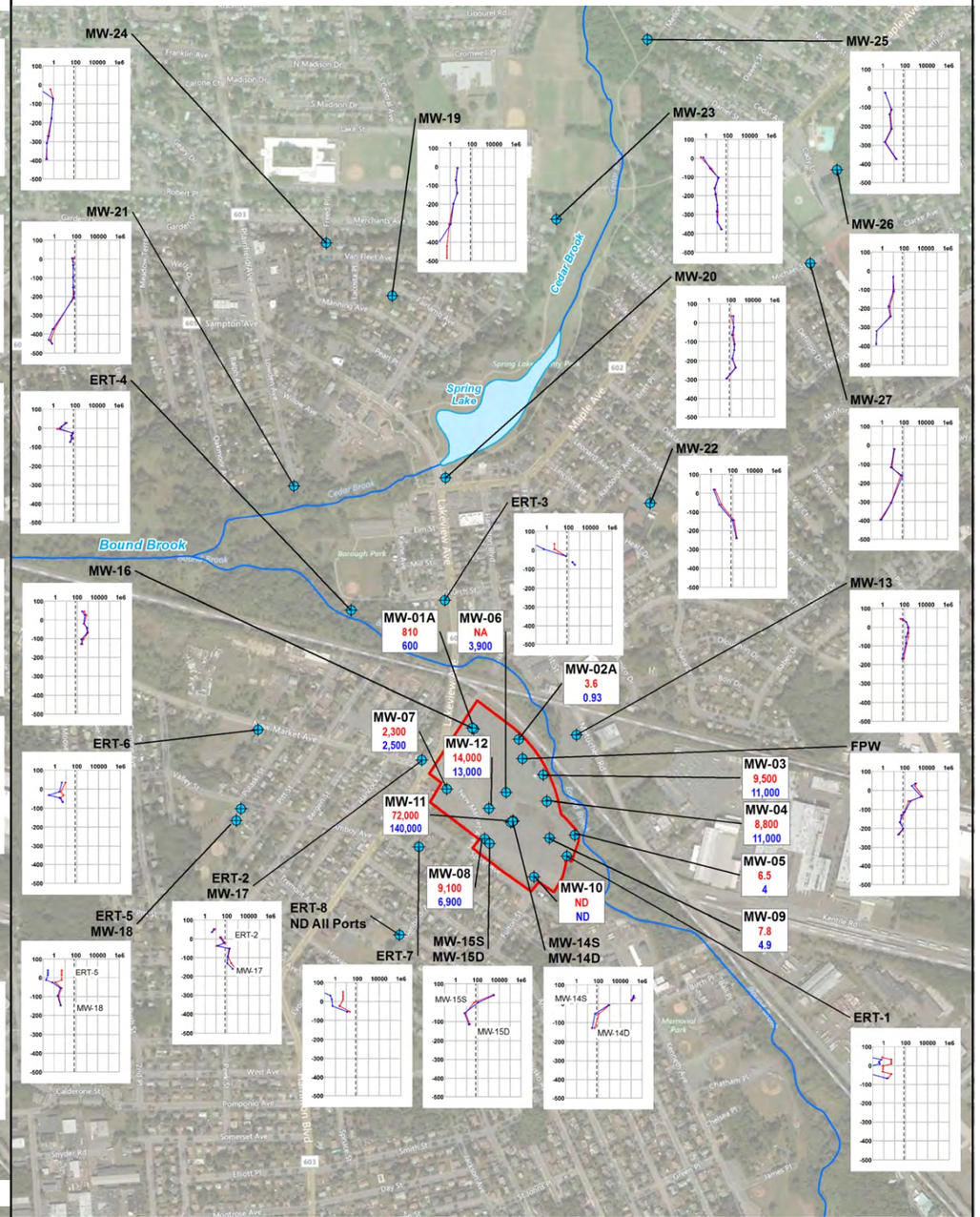
RI TCE Concentrations



RI cDCE Concentrations



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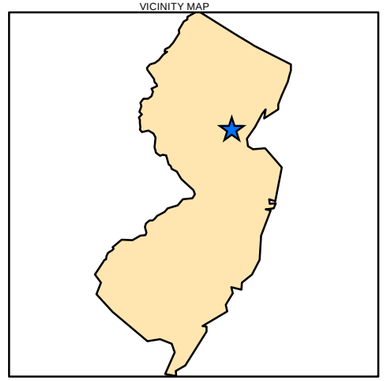

Legend

- Former CDE Facility Boundary (OU2)
- Monitoring Well
- Round 1 Results 12/2016
- Round 2 Results 7/2017
- Preliminary Remedial Goal

Source: The Louis Berger Group, Inc. and ARCADIS/Malcolm Pirnie. June 2012. Final Remedial Investigation Report (RI), Operable Unit 3: Groundwater. Cornell-Dubilier Electronics Superfund Site, South Plainfield, New Jersey.

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 1-5
BASELINE MONITORING PROGRAM GROUNDWATER TCE AND cDCE CONCENTRATIONS

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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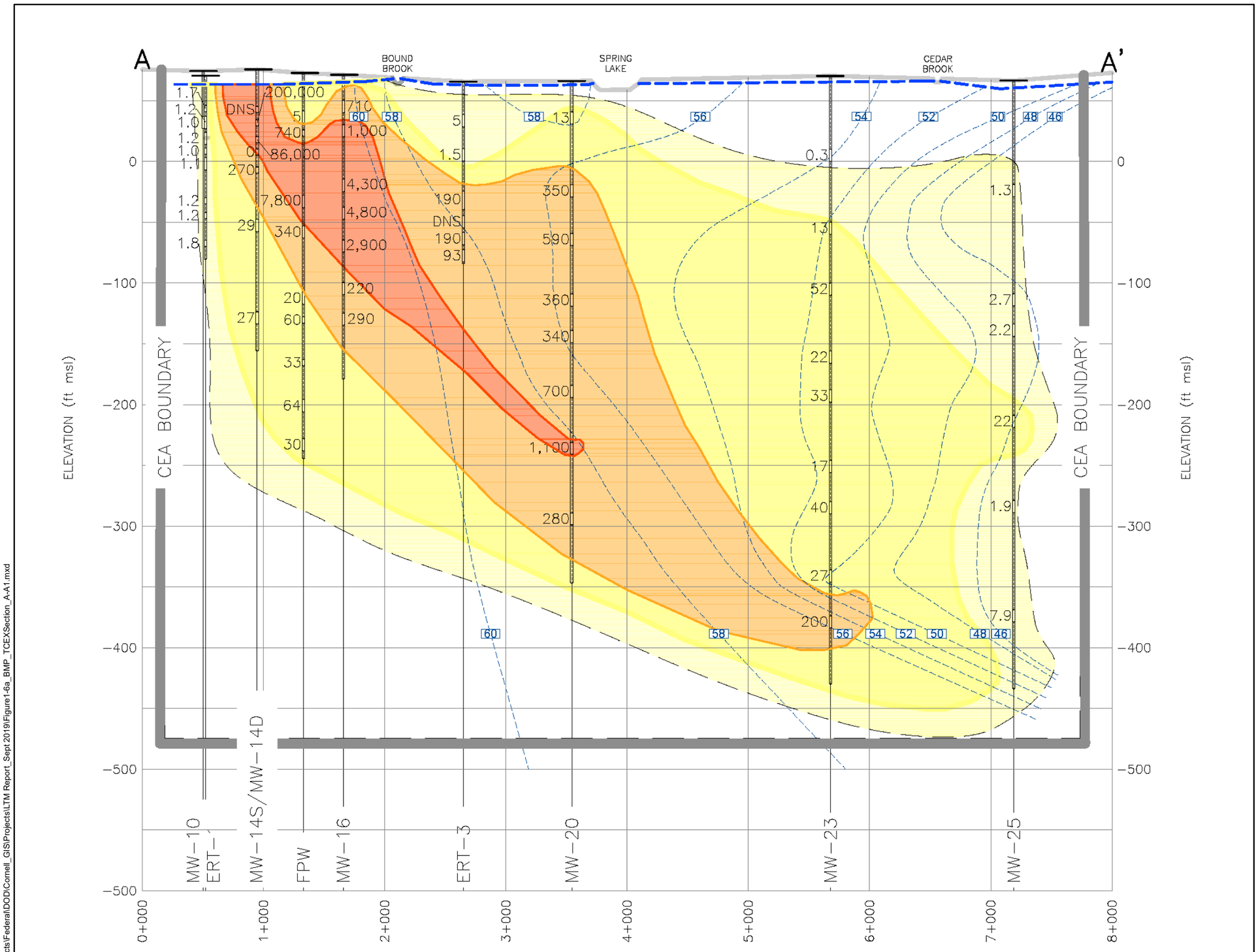
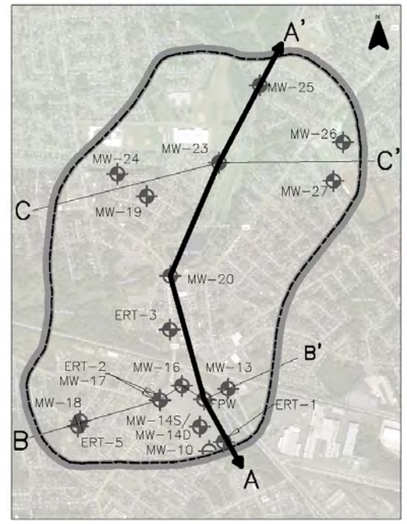


VICINITY MAP



Legend

- SINGLE SCREEN MONITORING WELL
- MULTILEVEL MONITORING WELL
- CEA BOUNDARY
- GROUND SURFACE
- WATER TABLE
- 60 INFERRED LINE OF EQUAL WATER LEVEL ELEVATION (FT MSL) [12/20/2016]

TCE CONCENTRATION (ug/L) FROM MONITORING INTERVAL — MULTILEVEL MONITORING WELL (1 INTERVAL)

ESTIMATED AQUEOUS CONCENTRATION

- > 1,000 ug/L
- > 100 ug/L
- > 10 ug/L
- > 1 ug/L (inferred)

Source :Louis Berger. 2018. Cornell-Dubilier Electronics Superfund Site, South Plainfield, New Jersey, Operable Unit 3: Groundwater, Remedial Action, Baseline Groundwater Sampling Final Data Summary Report. February.

FIGURE 1-6a
BASELINE MONITORING PROGRAM
HYDROGEOLOGIC CROSS-SECTION
WITH AQUEOUS TRICHLOROETHENE
CONCENTRATION ISOCONTOURS
A-A' (SOUTH-NORTH)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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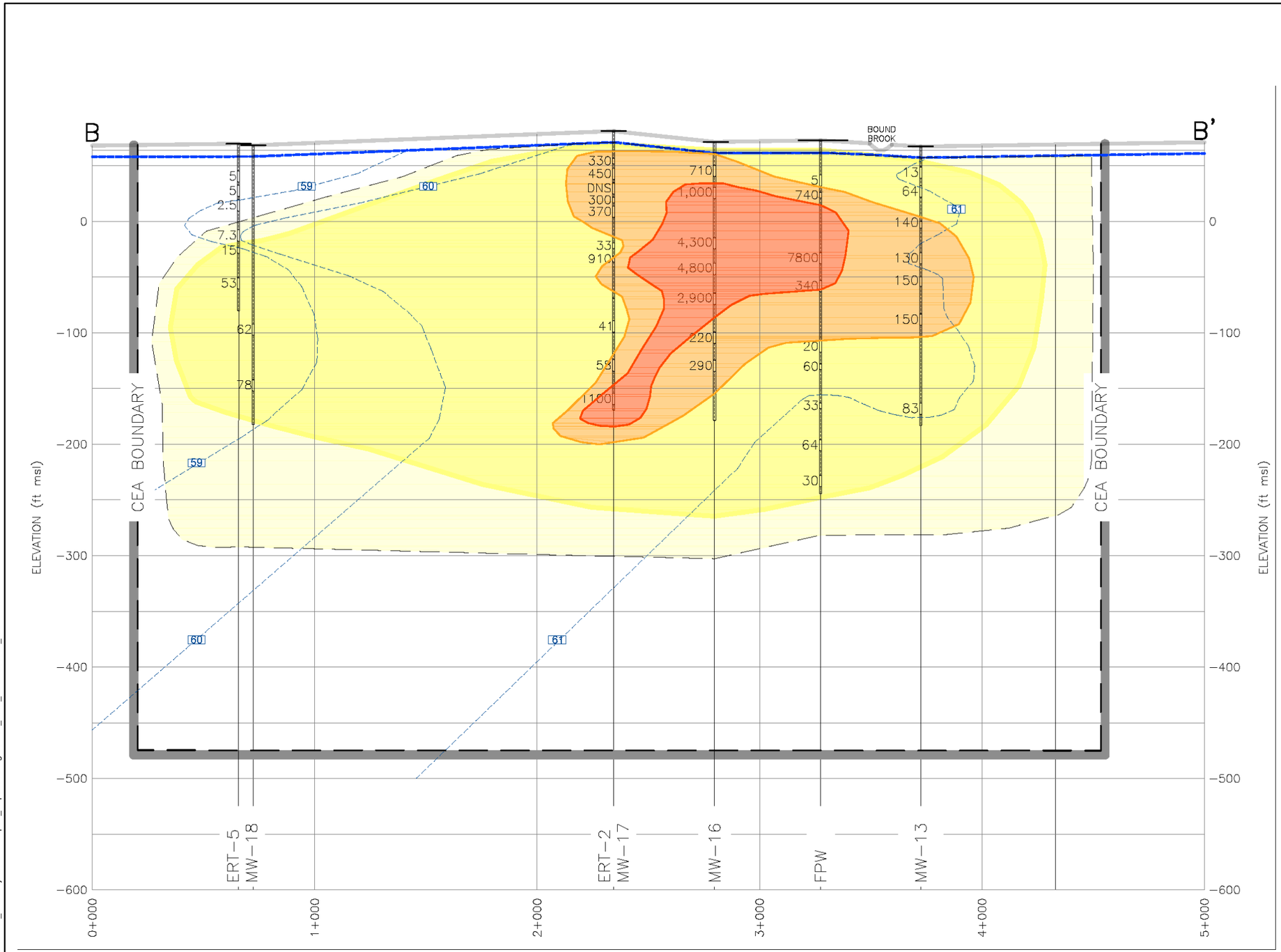
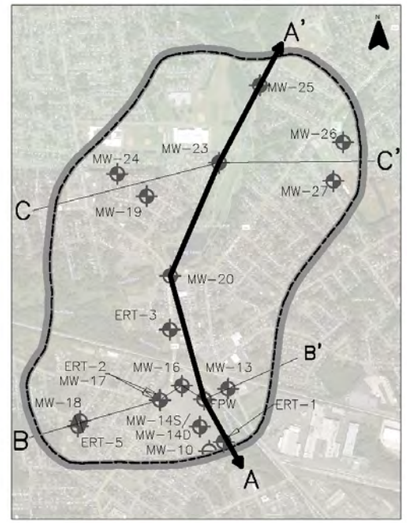


VICINITY MAP



Legend

- SINGLE SCREEN MONITORING WELL
- MULTILEVEL MONITORING WELL
- CEA BOUNDARY
- GROUND SURFACE
- WATER TABLE
- 60 INFERRED LINE OF EQUAL WATER LEVEL ELEVATION (FT MSL) [12/20/2016]
- TCE CONCENTRATION (ug/L) FROM MONITORING INTERVAL — MULTILEVEL MONITORING WELL (1 INTERVAL)

ESTIMATED AQUEOUS CONCENTRATION

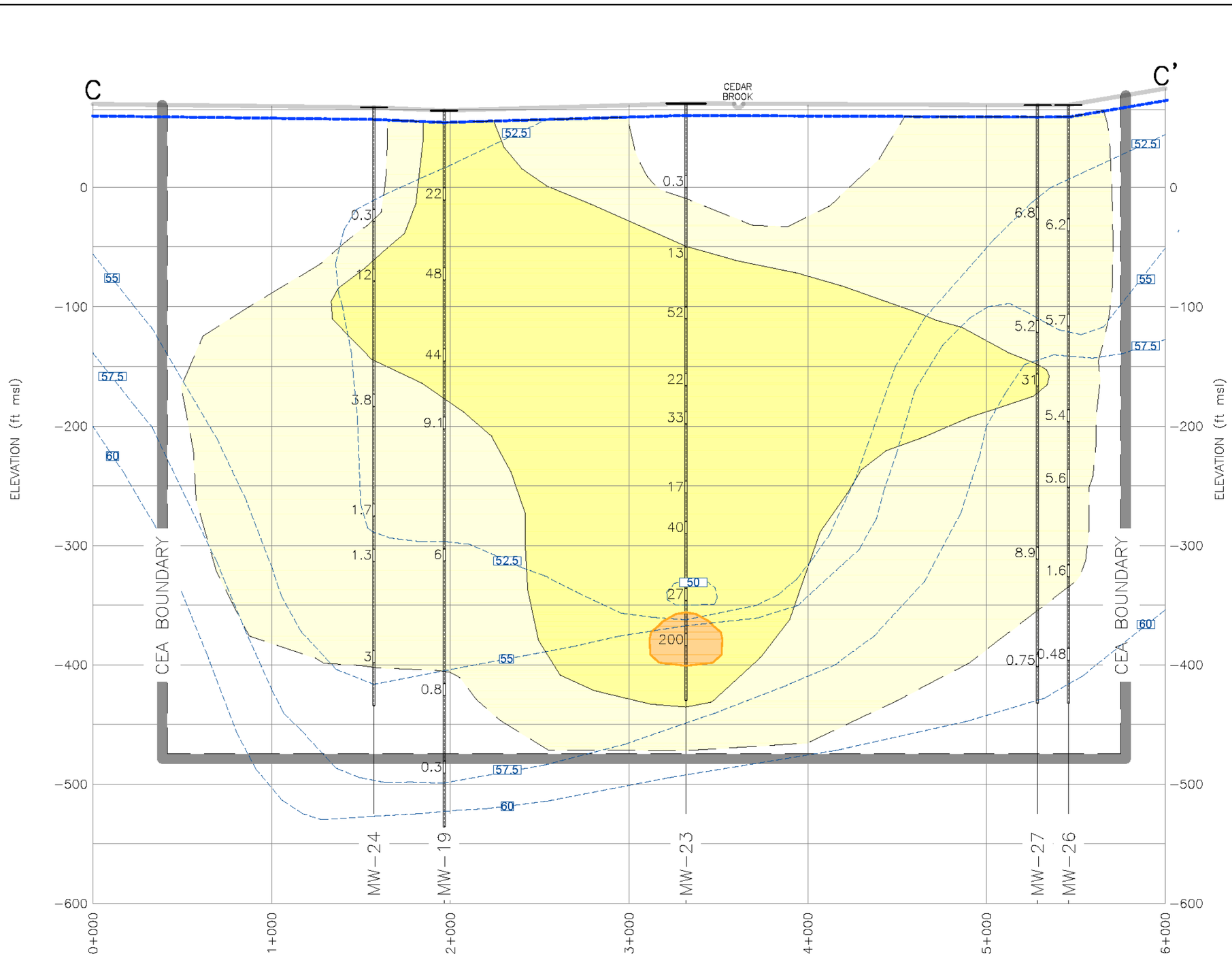
- > 1,000 ug/L
- > 100 ug/L
- > 10 ug/L
- > 1 ug/L (inferred)

Source :Louis Berger. 2018. Cornell-Dubilier Electronics Superfund Site, South Plainfield, New Jersey, Operable Unit 3: Groundwater, Remedial Action, Baseline Groundwater Sampling Final Data Summary Report. February.

FIGURE 1-6b
BASELINE MONITORING PROGRAM
HYDROGEOLOGIC CROSS-SECTION
WITH AQUEOUS TRICHLOROETHENE
CONCENTRATION ISOCONTOURS
B-B' (WEST-EAST)

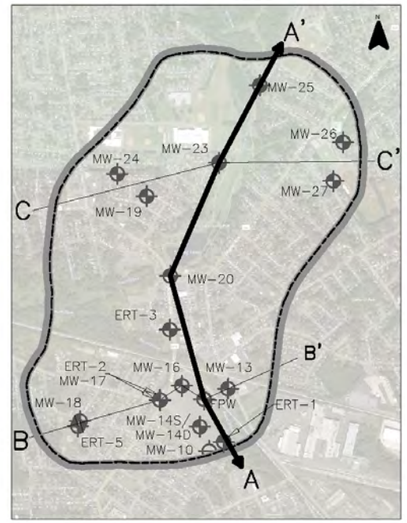
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

G:\Projects\Federal\DOD\Cornell_GIS\Projects\LTM Report_Sept 2019\Figure1-6b_BMP_TCEXSection_B-B1.mxd



G:\Projects\Federal\DOD\Cornell_GIS\Projects\LTM Report_Sept 2019\Figure 1-6c_BMP_TCEXSection_C-C1.mxd

VICINITY MAP



Legend

- SINGLE SCREEN MONITORING WELL
- MULTILEVEL MONITORING WELL
- CEA BOUNDARY
- GROUND SURFACE
- WATER TABLE
- 60 INFERRED LINE OF EQUAL WATER LEVEL ELEVATION (FT MSL) [12/20/2016]

TCE CONCENTRATION (ug/L) FROM MONITORING INTERVAL — MULTILEVEL MONITORING WELL (1 INTERVAL)

ESTIMATED AQUEOUS CONCENTRATION

- > 1,000 ug/L
- > 100 ug/L
- > 10 ug/L
- > 1 ug/L (inferred)

Source :Louis Berger. 2018. Cornell-Dubilier Electronics Superfund Site, South Plainfield, New Jersey, Operable Unit 3: Groundwater, Remedial Action, Baseline Groundwater Sampling Final Data Summary Report. February.

FIGURE 1-6c
BASELINE MONITORING PROGRAM
HYDROGEOLOGIC CROSS-SECTION
WITH AQUEOUS TRICHLOROETHENE
CONCENTRATION ISOCONTOURS
C-C' (WEST-EAST)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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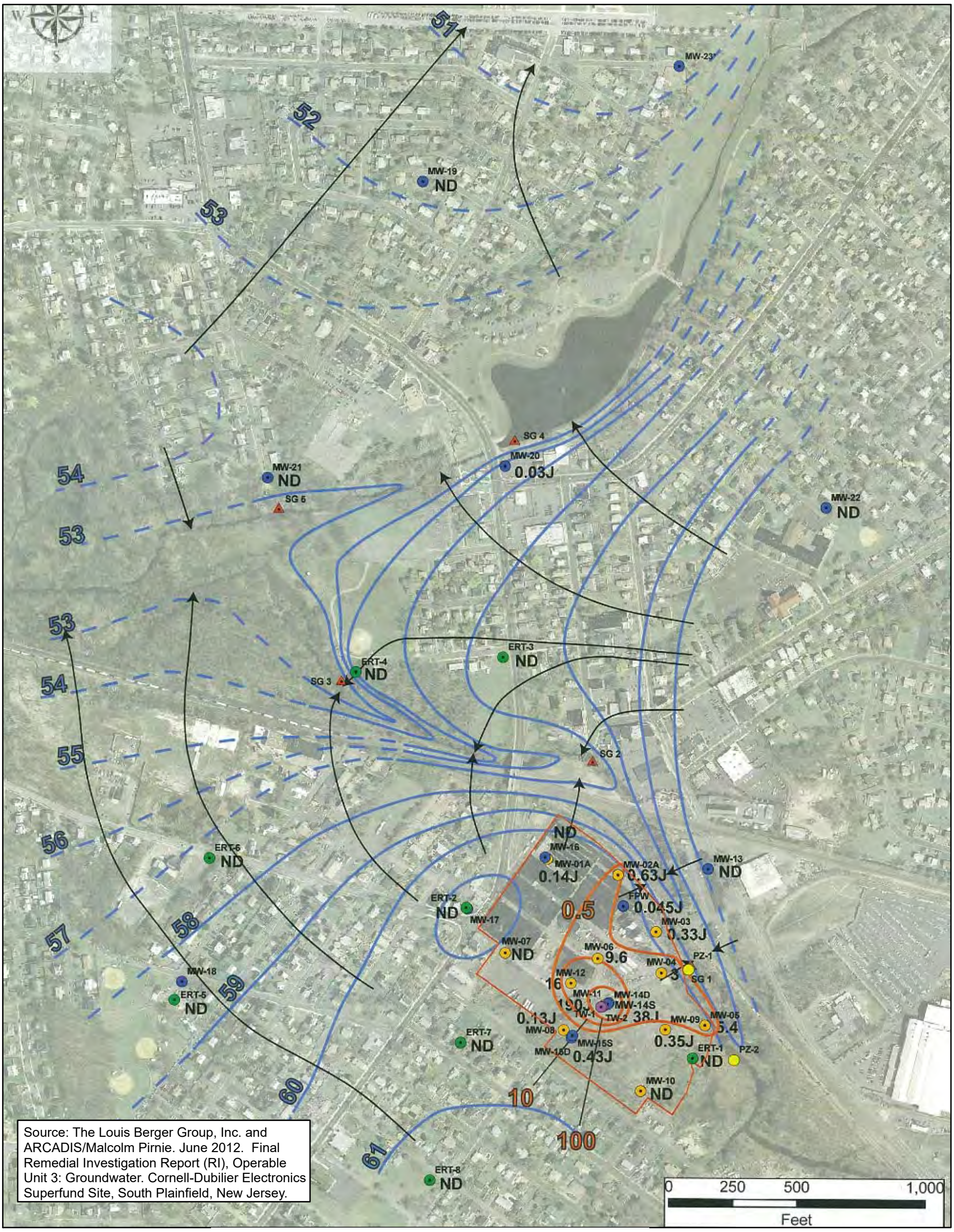
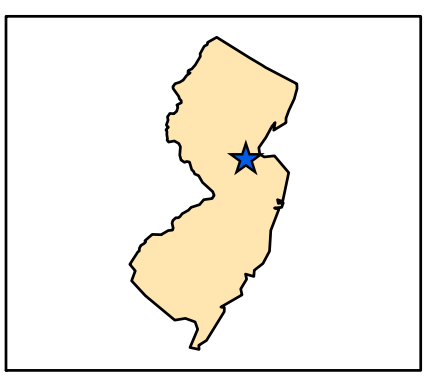


Source: The Louis Berger Group, Inc. and ARCADIS/Malcolm Pirnie. June 2012. Final Remedial Investigation Report (RI), Operable Unit 3: Groundwater. Cornell-Dubilier Electronics Superfund Site, South Plainfield, New Jersey.

G:\Projects\Federal\DOD\Cornell_GIS\Projects\LTM Report_Sept 2019\Figure1-7_RIMarch2010PCBsinGroundwater.mxd



Legend

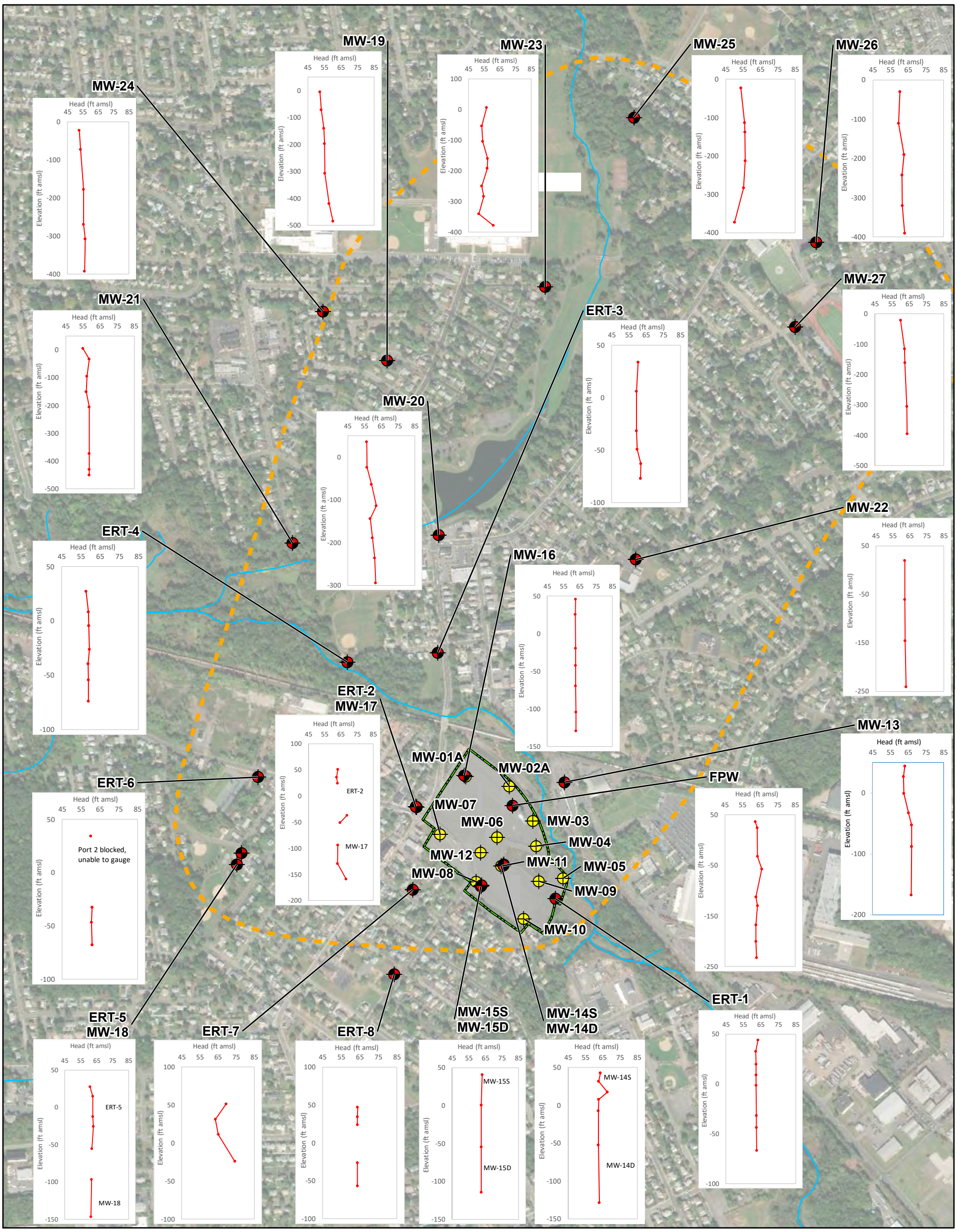
- Former CDE Facility
- 2008 Flute™ Well
- Test Well
- Shallow Bedrock Monitoring Well
- 2009 Flute™ Well
- Staff Gage

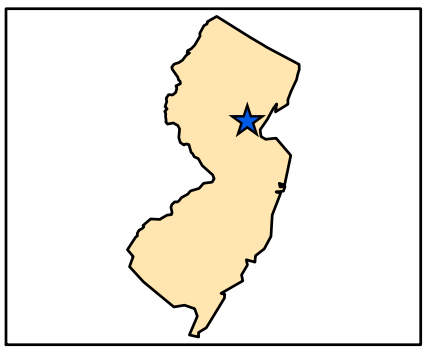
*Note: MW-23 installed and sampled in December 2010, March 2011

- MCL 0.5 — Line of Equal Total PCB Aroclor Concentration (ug/L) (dashed where inferred)
- Piezometer
- 0.13J — Aqueous PCB Total Aroclor Concentration (ug/L) J Value Estimated Concentration
- Direction of Groundwater Movement
- 61 — Line of Equal Groundwater Elevation (ft msl) (dashed where inferred)

CDE = Cornell-Dubilier Electronics
PCB = Polychlorinated biphenyl
ug/L = micrograms per liter
ft msl = feet above mean sea level
ND = Not detected above the quantitation limit (U[QL])

FIGURE 1-7
REMEDIAL INVESTIGATION
MARCH 2010 PCB CONCENTRATIONS
SHALLOW GROUNDWATER
(0-120 FT BGS)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2





Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Shallow Bedrock Monitoring Well
- FLUTe Well
- Stream
- Spring 2019 Vertical Head Profile

FIGURE 4-1
GROUNDWATER VERTICAL HEAD PROFILES
SPRING 2019
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

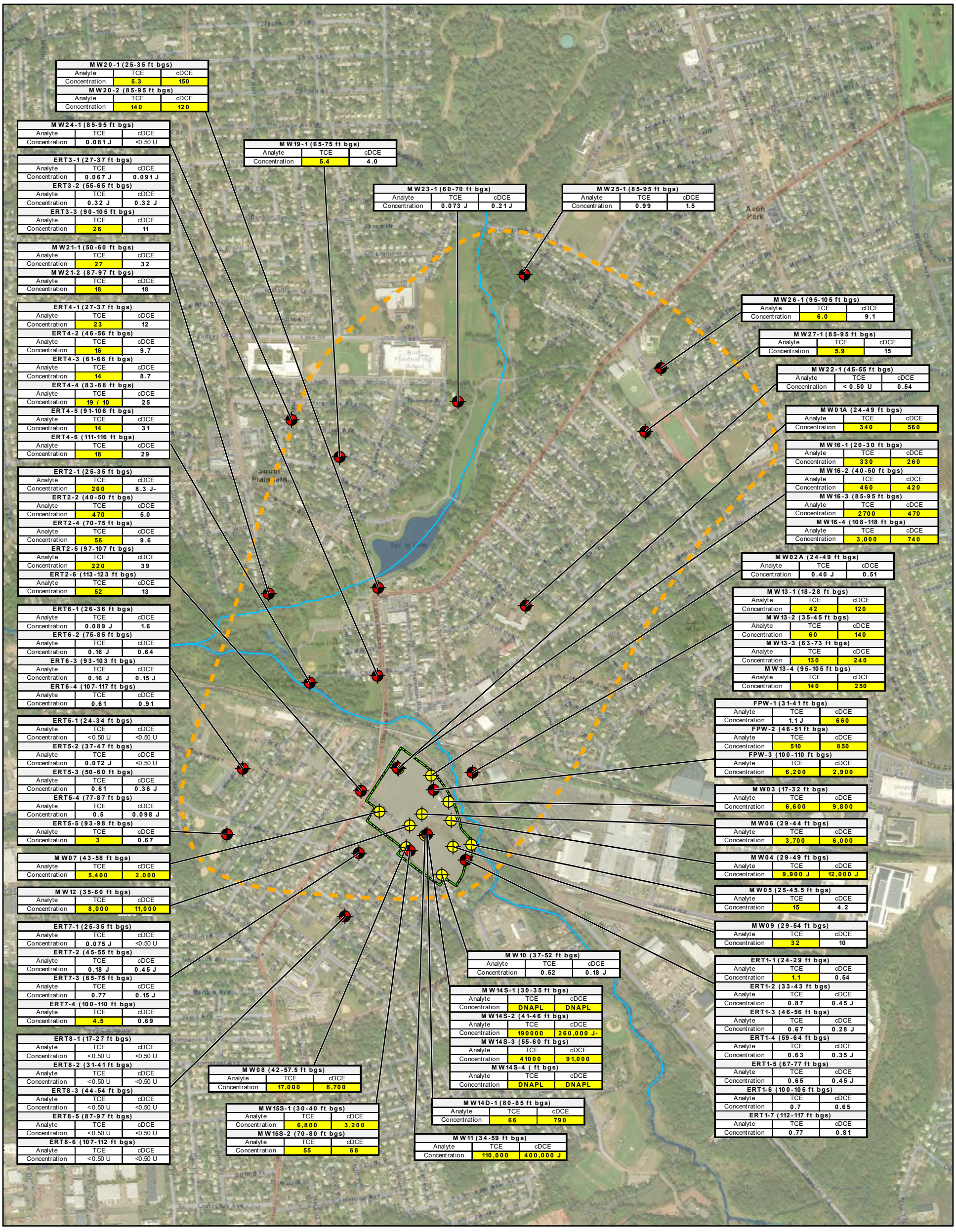
Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

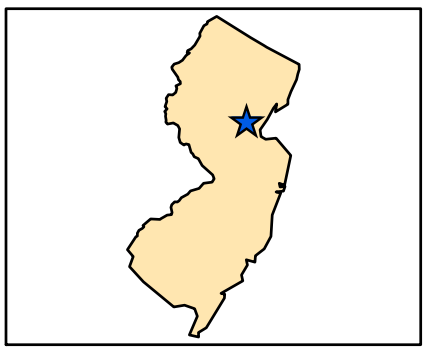
0 750 1,500
Feet

1 in = 750 ft

N

Profile Axes
X - Hydraulic Head
Y – Centre Elevation of Sampling Port (ft above mean sea level [amsl])





0 1,000 2,000
Feet

1 in = 1,000 ft

Legend

- OU3 Study Area
- Former CDE Facility Boundary (OU2)
- Shallow Bedrock Monitoring Well
- FLUTe Well
- Stream

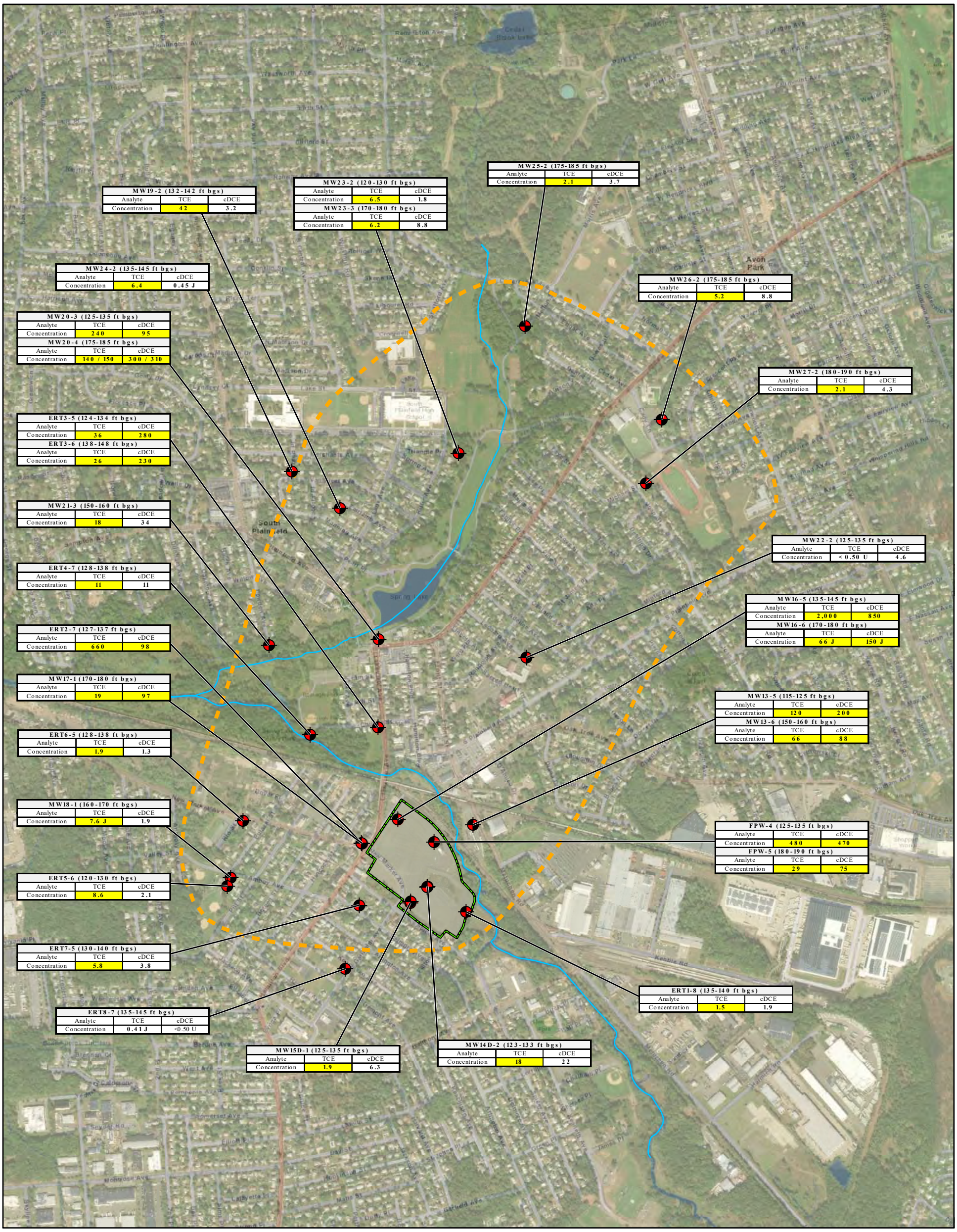
Analyte	TCE	cDCE
Project Action Limit	1	70

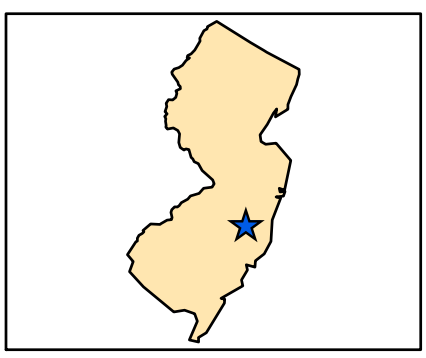
Notes:
Concentrations are in micrograms per liter (µg/L)
cDCE = cis-1,2-dichloroethene
TCE = Trichloroethene
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

FIGURE 4-2a
SPRING 2019 SHALLOW WATER-BEARING ZONE TCE AND cDCE CONCENTRATIONS (0-120 ft bgs)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/17/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet





Legend

- OU3 Study Area
- Former CDE Facility Boundary (OU2)
- FLUTe Well
- Stream

Analyte	TCE	cDCE
Project Action Limit	1	70

0 1,000 2,000
Feet

1 in = 1,000 ft

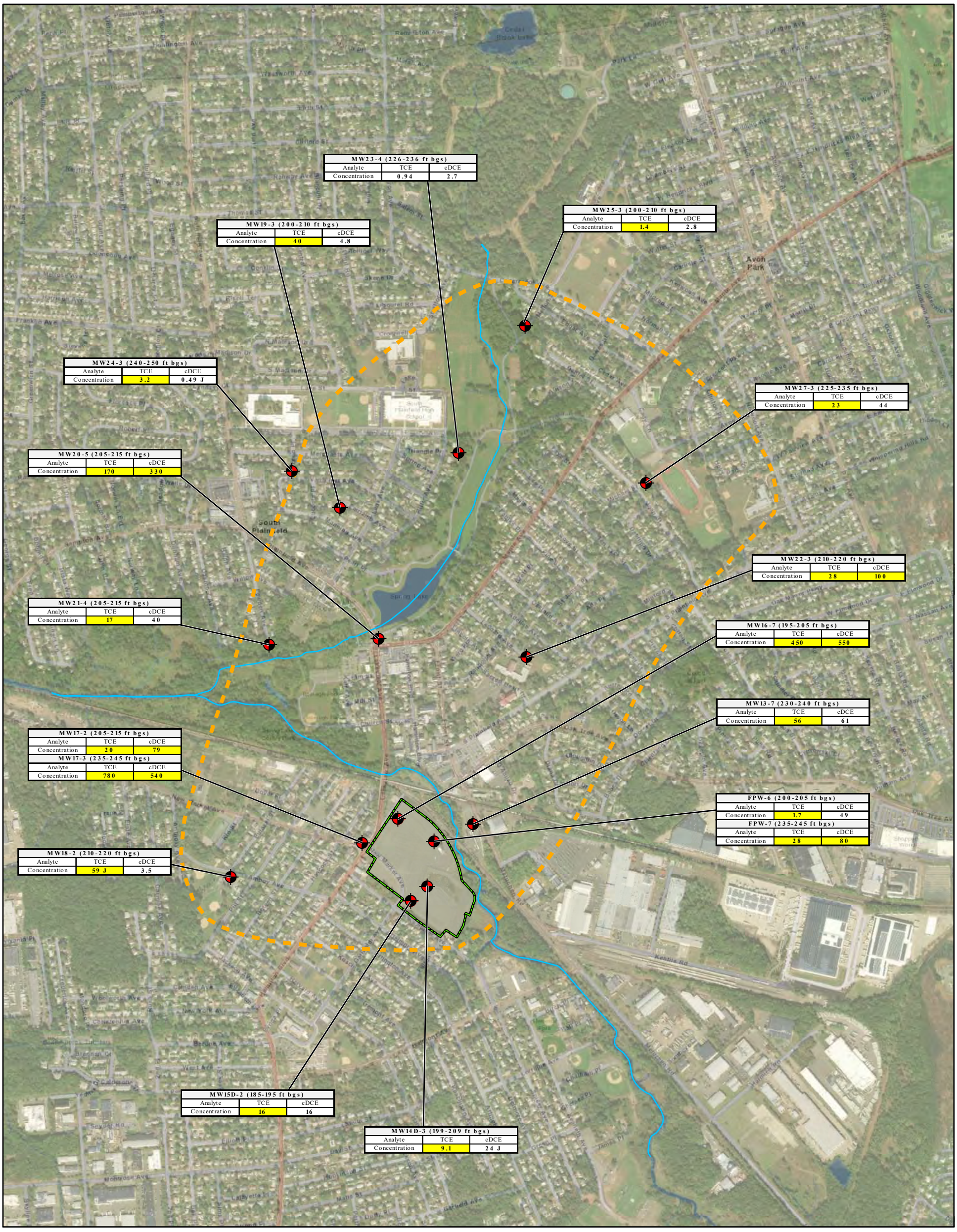
N

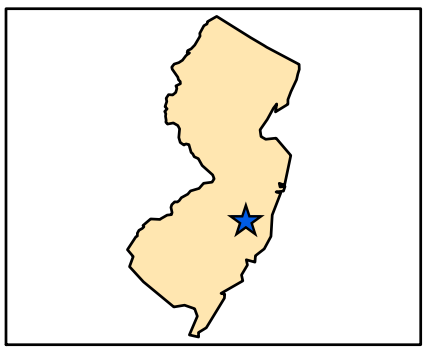
Notes:
Concentrations are in micrograms per liter (µg/L)
cDCE = cis-1,2-dichloroethene
TCE = Trichloroethene
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

FIGURE 4-2b
SPRING 2019 INTERMEDIATE WATER-BEARING ZONE TCE AND cDCE CONCENTRATIONS (120-185 ft bgs)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/17/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet





Legend

- OU3 Study Area
- Former CDE Facility Boundary (OU2)
- FLUTe Well
- Stream

Analyte	TCE	cDCE
Project Action Limit	1	70

0 1,000 2,000
Feet

1 in = 1,000 ft

N

Notes:
Concentrations are in micrograms per liter (µg/L)
cDCE = cis-1,2-dichloroethene
TCE = Trichloroethene
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

FIGURE 4-2c
SPRING 2019 DEEP WATER-BEARING ZONE TCE AND cDCE CONCENTRATIONS (200-250 ft bgs)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/17/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

0 1,000 2,000
Feet
1 in = 1,000 ft

N

Legend

- OU3 Study Area
- Former CDE Facility Boundary (OU2)
- FLUTe Well
- Stream

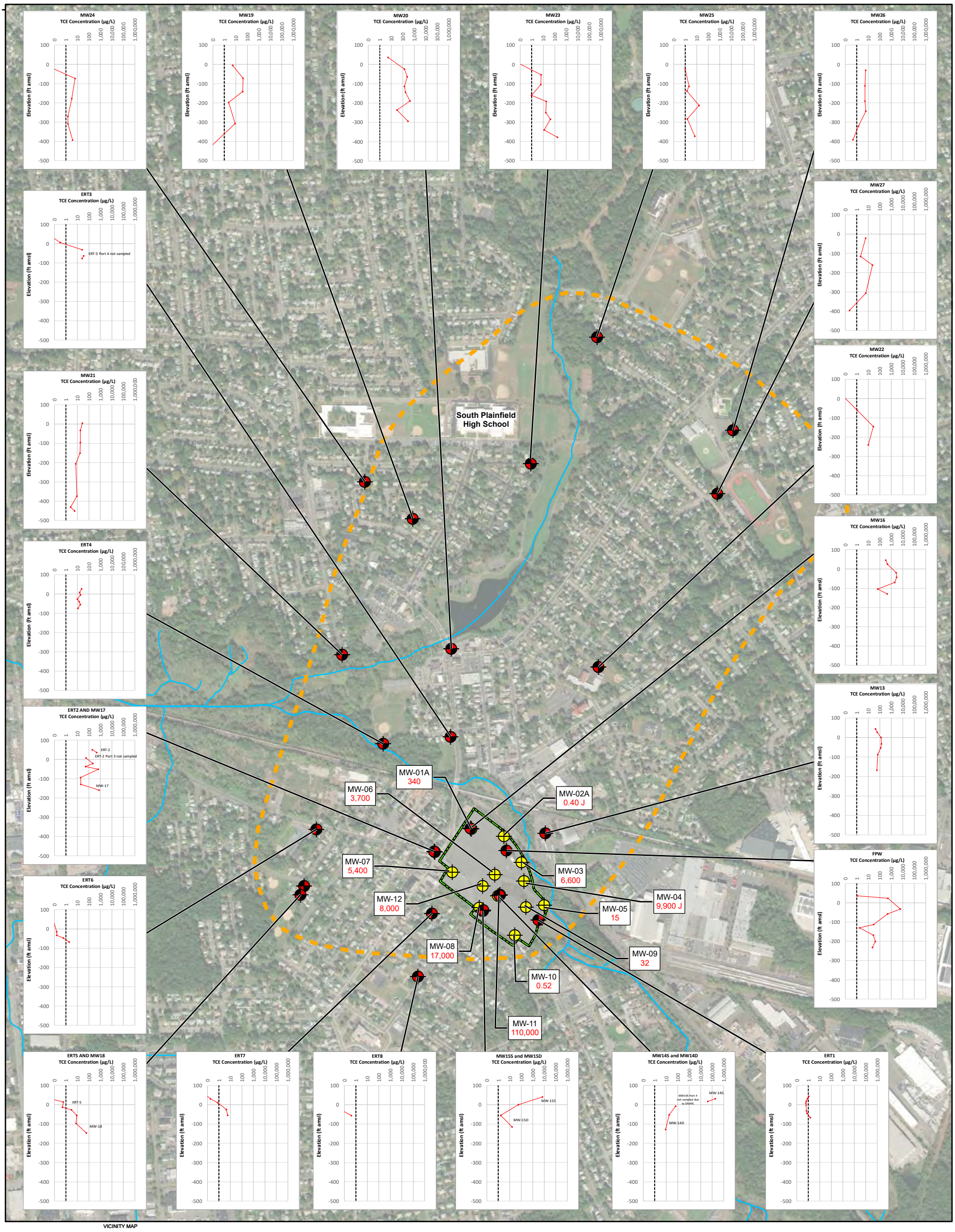
Analyte	TCE	cDCE
Project Action Limit	1	70

FIGURE 4-2d
SPRING 2019 TCE AND cDCE CONCENTRATIONS BELOW 250 FT BGS

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

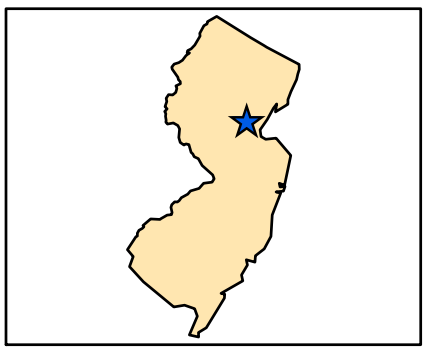
Notes:
Concentrations are in micrograms per liter (μg/L)
cDCE = cis-1,2-dichloroethene
TCE = Trichloroethene
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Map Date: 1/17/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet



G:\Projects\Federal\DOD\Cornell_GIS\Projects\LTM Report_Sept 2019\Figure4-3_VerticalProfile_TCE.mxd

VICINITY MAP



Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Shallow Bedrock Monitoring Well
- FLUTe Well
- Surface Water Flow Direction
- Spring 2019 Sampling Event (June 2019)

0 1,000 2,000
Feet

1 in = 1,000 ft

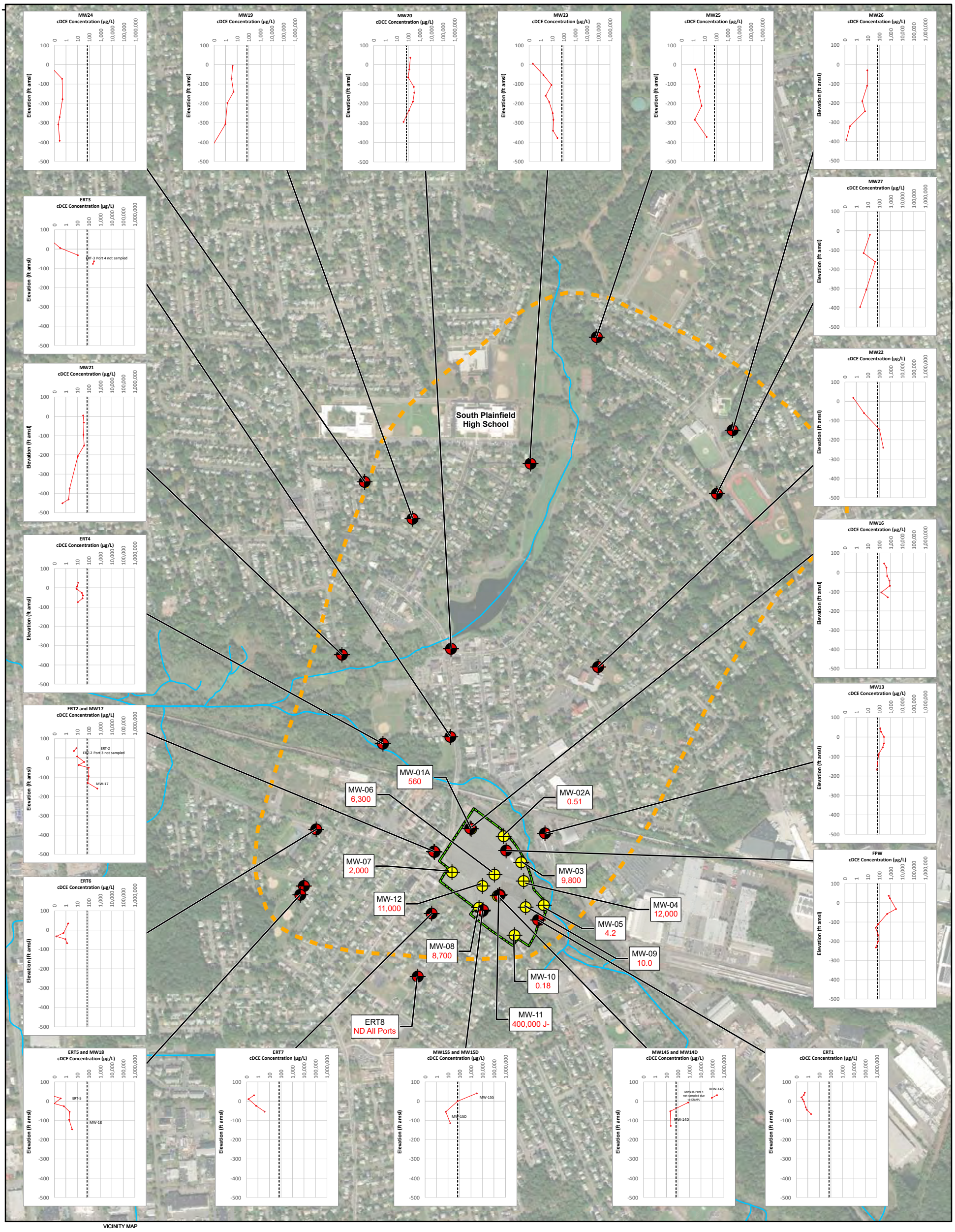
N

Profile Axes
X - TCE Concentration (µg/L)
Y – Centre Elevation of Sampling Port (ft above mean sea level [amsl])

FIGURE 4-3
VERTICAL PROFILE
TCE IN GROUNDWATER
SPRING 2019

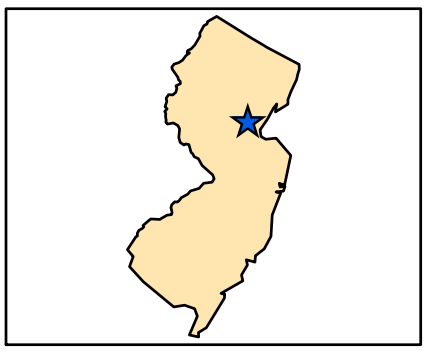
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet



G:\Projects\Federal\DOD\Cornell_GIS\Projects\LTM Report_Sept 2019\Figure4-4_VerticalProfile_DCE.mxd

VICINITY MAP



Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Shallow Bedrock Monitoring Well
- FLUTe Well
- Bound Brook
- Spring 2019 Sampling Event (June 2019)

0 1,000 2,000
Feet

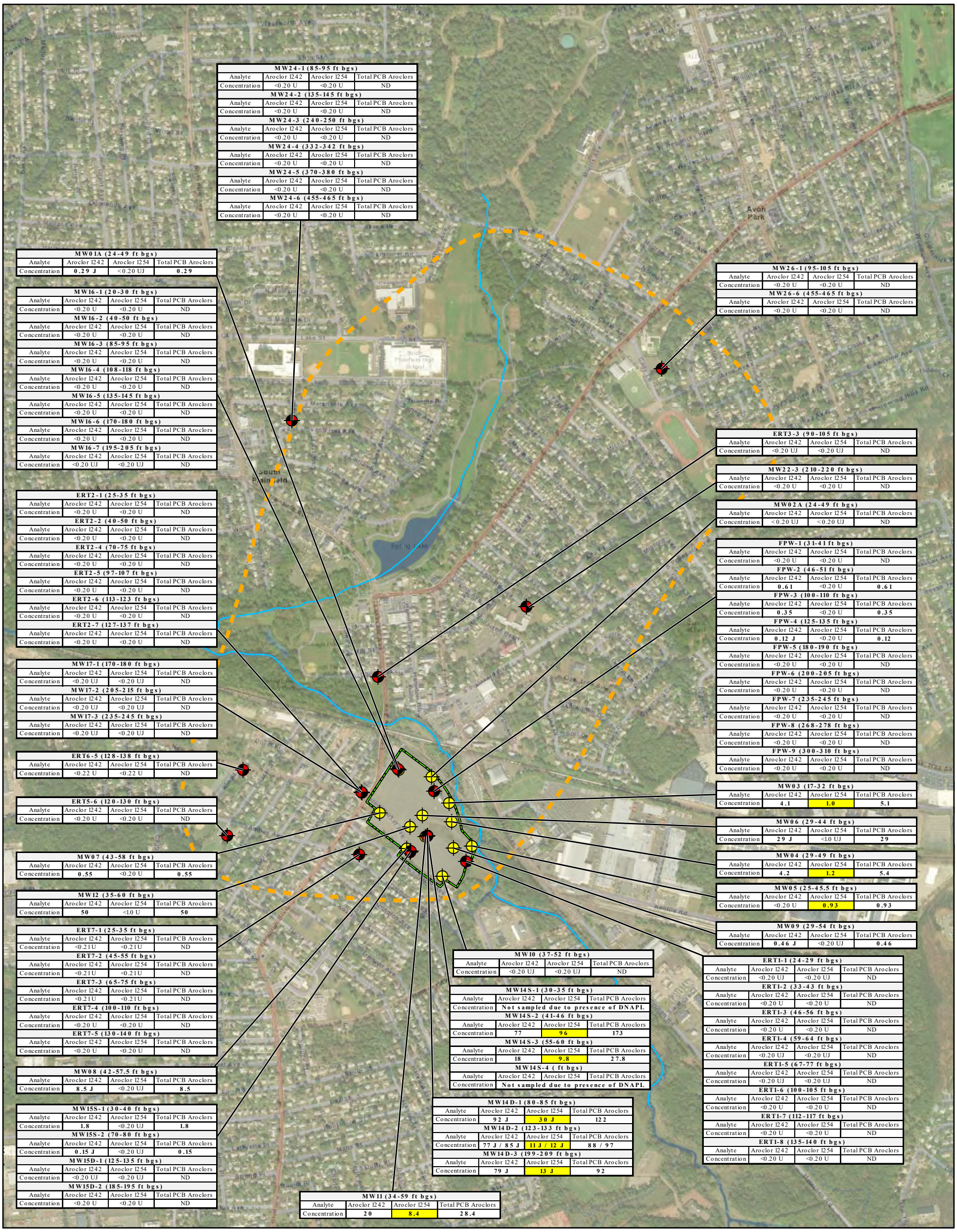
1 in = 1,000 ft

N

Profile Axes
X - cDCE Concentration (µg/L)
Y – Centre Elevation of Sampling Port (ft above mean sea level [amsl])

FIGURE 4-4
VERTICAL PROFILE
cDCE IN GROUNDWATER
SPRING 2019
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet



MW24-1 (85-95 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW24-2 (135-145 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW24-3 (240-250 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW24-4 (332-342 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW24-5 (370-380 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW24-6 (455-465 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND

MW01A (24-49 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**0.29 J**	<0.20 UJ	**0.29**

MW16-1 (20-30 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW16-2 (40-50 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW16-3 (85-95 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW16-4 (108-118 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW16-5 (135-145 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW16-6 (170-180 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW16-7 (195-205 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND

ERT2-1 (25-35 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT2-2 (40-50 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT2-4 (70-75 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT2-5 (97-107 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT2-6 (113-123 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT2-7 (127-137 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND

MW17-1 (170-180 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND
MW17-2 (205-215 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND
MW17-3 (235-245 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND

ERT6-5 (128-138 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.22 U	<0.22 U	ND

ERT5-6 (120-130 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND

MW07 (43-58 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**0.55**	<0.20 U	**0.55**

MW12 (35-60 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**50**	<1.0 U	**50**

ERT7-1 (25-35 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.21U	<0.21U	ND
ERT7-2 (45-55 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.21U	<0.21U	ND
ERT7-3 (65-75 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.21U	<0.21U	ND
ERT7-4 (100-110 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT7-5 (130-140 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND

MW08 (42-57.5 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**8.5 J**	<0.20 UJ	**8.5**

MW15S-1 (30-40 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**1.8**	<0.20 UJ	**1.8**
MW15S-2 (70-80 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**0.15 J**	<0.20 UJ	**0.15**
MW15D-1 (125-135 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND
MW15D-2 (185-195 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND

MW26-1 (95-105 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
MW26-6 (455-465 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND

ERT3-3 (90-105 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND

MW22-3 (210-220 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND

MW02A (24-49 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND

FPW-1 (31-41 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
FPW-2 (46-51 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**0.61**	<0.20 U	**0.61**
FPW-3 (100-110 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**0.35**	<0.20 U	**0.35**
FPW-4 (125-135 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**0.12 J**	<0.20 U	**0.12**
FPW-5 (180-190 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
FPW-6 (200-205 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
FPW-7 (235-245 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
FPW-8 (268-278 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
FPW-9 (300-310 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND

MW03 (17-32 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**4.1**	**1.0**	**5.1**

MW06 (29-44 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**29 J**	<1.0 UJ	**29**

MW04 (29-49 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**4.2**	**1.2**	**5.4**

MW05 (25-45.5 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	**0.93**	**0.93**

MW09 (29-54 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**0.46 J**	<0.20 UJ	**0.46**

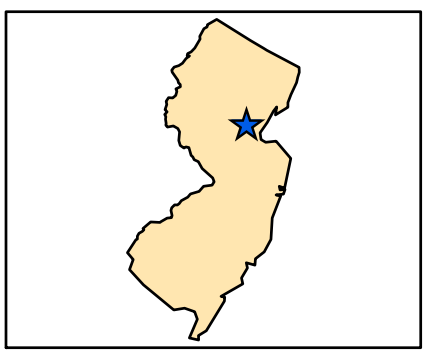
MW10 (37-52 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND

MW14S-1 (30-35 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**Not sampled due to presence of DNAPL**		
MW14S-2 (41-46 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**77**	**96**	**173**
MW14S-3 (55-60 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**18**	**9.8**	**27.8**
MW14S-4 (ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**Not sampled due to presence of DNAPL**		

MW14D-1 (80-85 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**92 J**	**30 J**	**122**
MW14D-2 (123-133 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**77 J / 85 J**	**11 J / 12 J**	**88 / 97**
MW14D-3 (199-209 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**79 J**	**13 J**	**92**

MW11 (34-59 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	**20**	**8.4**	**28.4**

ERT1-1 (24-29 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND
ERT1-2 (33-43 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT1-3 (46-56 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT1-4 (59-64 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND
ERT1-5 (67-77 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 UJ	<0.20 UJ	ND
ERT1-6 (100-105 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT1-7 (112-117 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND
ERT1-8 (135-140 ft bgs)			
Analyte	Aroclor 1242	Aroclor 1254	Total PCB Aroclors
Concentration	<0.20 U	<0.20 U	ND



Legend

- OU3 Study Area
- Former CDE Facility Boundary (OU2)
- FLUTe Well
- Shallow Bedrock Monitoring Well
- Stream

Analyte	Aroclor 1242	Aroclor 1254
Project Action Limit	**No PAL**	**1**

0 1,000 2,000
Feet

1 in = 1,000 ft

N

Notes:
Concentrations are in micrograms per liter (µg/L)
PCB = Polychlorinated biphenyl
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased hi
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

FIGURE 4-5
SPRING 2019 PCB CONCENTRATIONS

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/17/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

MW25
Not Sampled

MW26
Not Detected All Ports

MW24
Not Detected All Ports

South Plainfield
High School

MW23
Not Sampled

MW19
Not Sampled

ERT3
Not Detected All Ports

MW27
Not Sampled

MW22
Not Detected All Ports

MW21
Not Detected All Ports

MW20
Not Sampled

MW16
Not Detected All Ports

ERT4
Not Sampled

ERT2 and MW17
Not Detected All Ports

MW-01A
0.29 J

MW-06
29.0

MW-02A
ND

MW13
Not Sampled

ERT6
Not Detected All Ports

MW-07
0.55

MW-03
5.1

MW18
Not Sampled

MW-12
50

MW-04
5.4

MW-05
0.93

ERT5
Not Detected All Ports

MW-08
8.5

MW-09
0.46

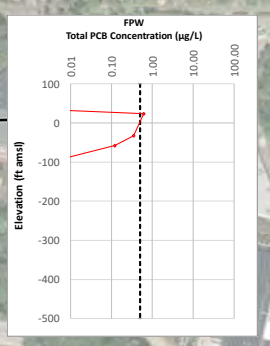
ERT7
Not Detected All Ports

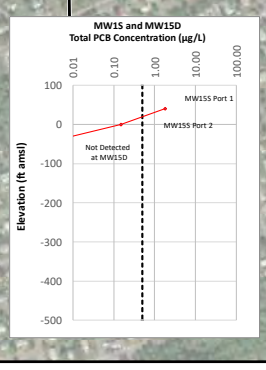
MW-10
ND

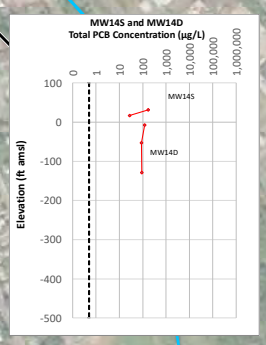
ERT1
Not Detected All Ports

MW-11
28.4

ERT8
Not Sampled







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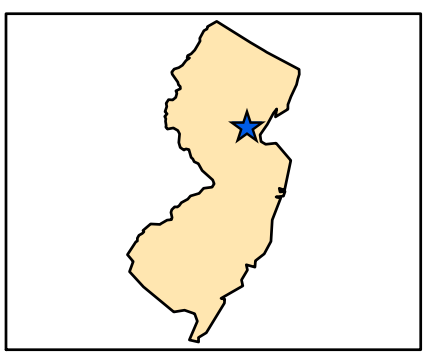
VICINITY MAP



Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Shallow Bedrock Monitoring Well
- FLUTe Well
- Stream
- Spring 2019 Sampling Event (June 2019)

0 1,000 2,000
Feet

1 in = 1,000 ft

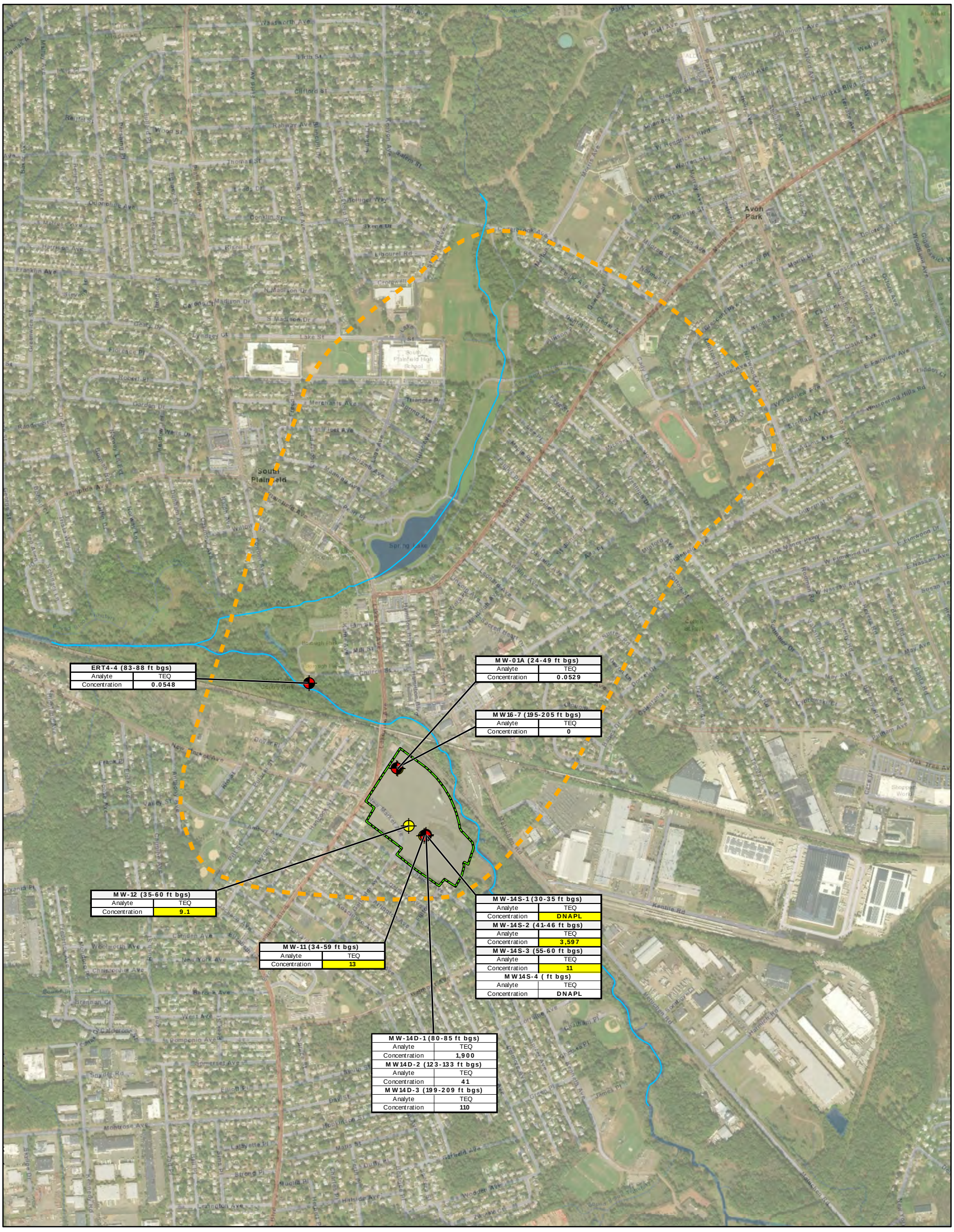
N

Profile Axes
X - Total PCB Concentration (µg/L)
Y – Centre Elevation of Sampling Port (ft above mean sea level [amsl])

FIGURE 4-6
VERTICAL PROFILE
PCB AROCLORS IN GROUNDWATER
SPRING 2019

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet



Legend

- OU3 Study Area
- Former CDE Facility Boundary (OU2)
- FLUTe Well
- Shallow Bedrock Monitoring Well
- Stream

Analyte	TEQ
Project Action Limit	10

0 1,000 2,000
Feet

1 in = 1,000 ft

N

Notes:
Concentrations are in picograms per liter (pg/L)
TEQ = Toxic equivalence quantity
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

FIGURE 4-7
SPRING 2019 TOXIC EQUIVALENCY

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/17/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

MW-25
53.68

MW-23
56.60

MW-26
60.38

MW-24
52.66

MW-19
52.35

MW-27
59.90

MW-20
56.37

MW-21
55.11

MW-22
61.99

ERT-4
57.75

ERT-3
60.32

MW-01A
62.26

MW-13
63.21

ERT-6
60.20

MW-16
62.46

MW-02A
62.41

ERT-2
63.15

FPW
62.30

MW-07
62.81

MW-03
61.85

MW-06
62.93

MW-12
63.24

MW-04
61.93

ERT-5
60.86

MW-05
62.16

ERT-7
63.50

MW-08
63.06

MW-09
62.42

MW-10
62.56

ERT-1
63.40

MW-14S
63.63

ERT-8
63.79

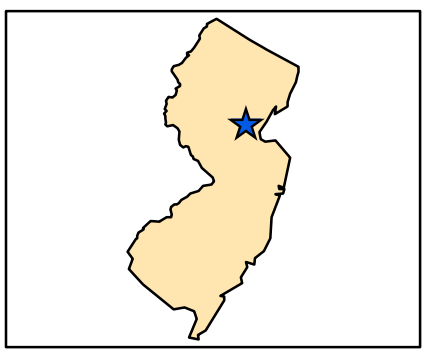
MW-15S
63.01

MW-11
63.03

Note:
Groundwater elevations are measured in feet above mean sea level.

The groundwater elevations from the shallowest sampling intervals were used to generate groundwater contours.

Measurements from the shallowest interval at ERT-5 and ERT-7 were deemed erroneous. Groundwater elevations from the next shallowest sampling interval were used in generation of groundwater contours (i.e., ERT-5 Port 2 and ERT-7 Port 2).



0 800 1,600
Feet

1 in = 800 ft

N

Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Shallow Bedrock Monitoring Well
- FLUTe Well
- Stream
- Surface Water Flow Direction
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction

FIGURE 5-1a
SPRING 2019 POTENTIOMETRIC SURFACE
SHALLOW WATER BEARING ZONE
(0-120 ft bgs)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

G:\Projects\Federal\DOD\Cornell GIS\Projects\LTM Report Sept 2019\Figure5-1a_Spring2019ShallowGWContours.mxd

MW-25
55.83

MW-26
59.46

MW-23
53.52

MW-24
53.6

MW-19
53.21

MW-27
62.28

MW-20
59.21

MW-21
57.3

MW-22
62

ERT-4
59.03

ERT-3
61.89

MW-16
62.41

ERT-6
60.96

MW-13

MW-18
61.71

MW-17
63.22

FPW
62.67

MW-14D
62.57

ERT-5
62.01

ERT-7

MW-15D
62.56

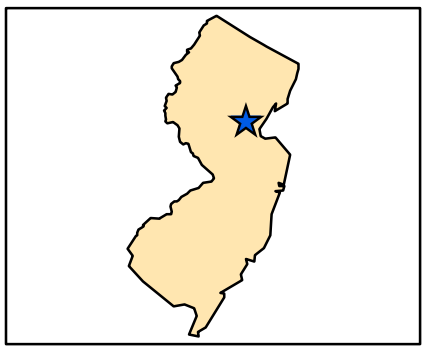
ERT-1
62.58

ERT-8
63.67

Note:
Groundwater elevations are measured in feet above mean sea level.

The groundwater elevations from the uppermost sampling intervals within the intermediate water-bearing unit were used to generate groundwater contours.

The measurement from the uppermost sampling interval within the intermediate water-bearing zone interval at FPW (i.e. Port 4) was deemed erroneous. Groundwater elevations from the next sampling interval at FPW were used in generation of groundwater contours (i.e., FPW Port 5).



0 800 1,600
Feet

1 in = 800 ft

N

Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- FLUTe Well
- Cedar Brook
- Surface Water Flow Direction
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction

FIGURE 5-1b
SPRING 2019 POTENTIOMETRIC SURFACE
INTERMEDIATE WATER BEARING ZONE
(120-185 ft bgs)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

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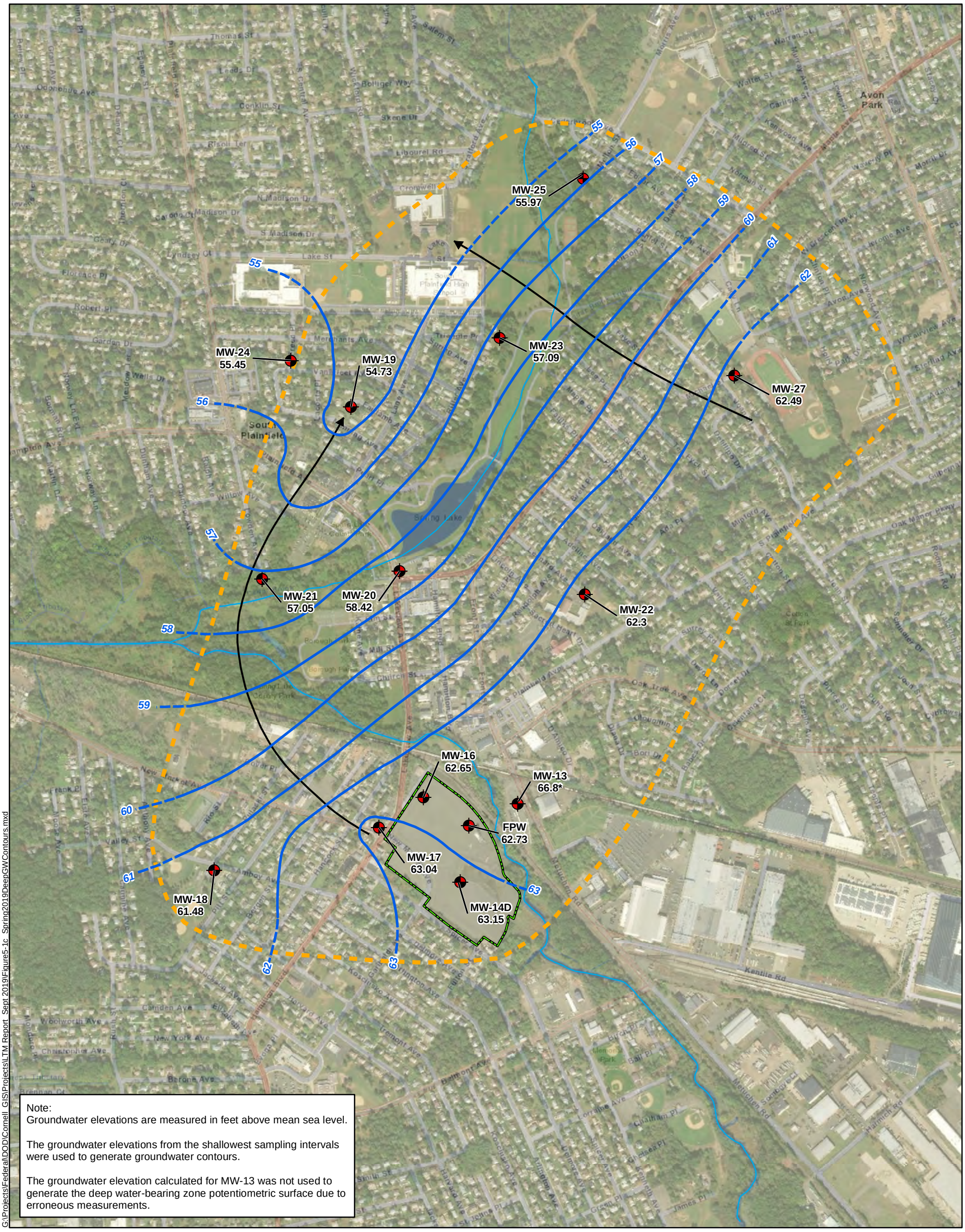

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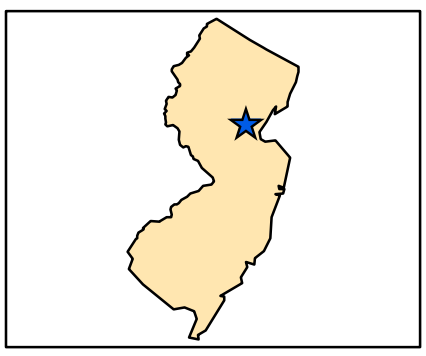


0 800 1,600
Feet

1 in = 800 ft

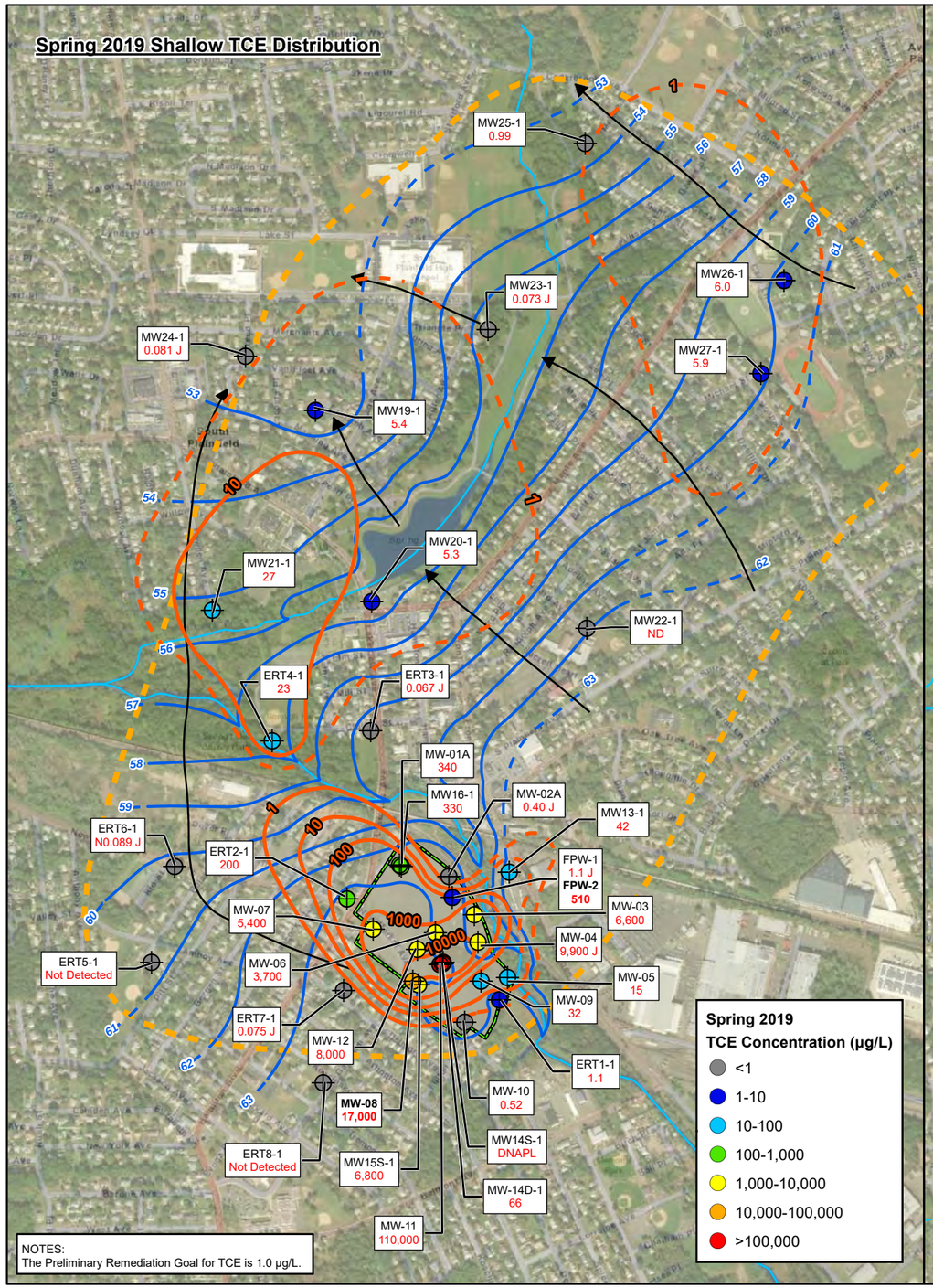
N

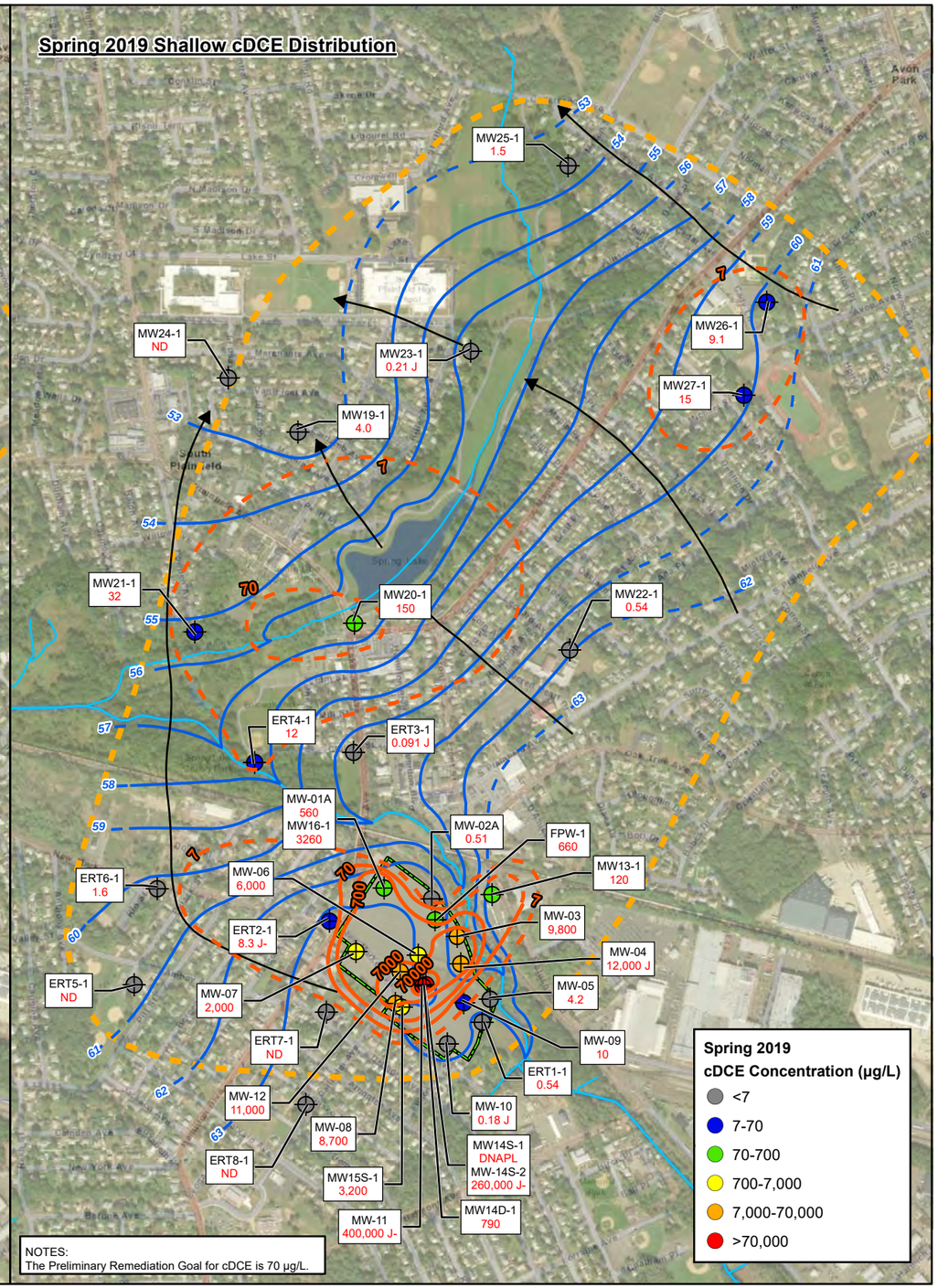
Legend

- OU3 Study Area
- Former CDE Facility Boundary (OU2)
- FLUTe Well
- Cedar Brook
- Surface Water Flow Direction
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction

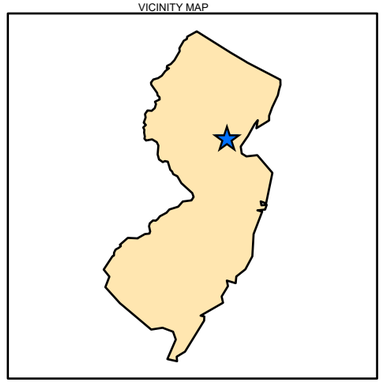
FIGURE 5-1c
SPRING 2019 POTENTIOMETRIC SURFACE
DEEP WATER BEARING ZONE
(200-250 ft bgs)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

Map Date: 1/15/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet





VICINITY MAP



Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Monitoring Well
- Stream
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction
- Spring 2019 Line of Equal Contaminant Concentration (µg/L) (Dashed where Inferred)
- XXX Contaminant Concentration (µg/L)

Note: µg/L = micrograms per liter

Concentrations from the shallowest sampling intervals* were used to generate lines of equal contaminant concentration. Concentrations from deeper intervals are not shown.

*The TCE concentration at FPW-2 was used to generate lines of equal TCE contaminant concentration due to inconsistency with the concentration at the shallowest sampling interval (FPW-1).

*Concentrations at MW-14D-1 were was not used to generate lines of equal contaminant concentration. MW-14D-1 is screened at the base of the shallow water-bearing zone.

0 1,000 2,000
Feet

1 in = 1,000 ft

N

Map Date: 1/17/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 5-2a
SPRING 2019 TCE AND cDCE DISTRIBUTION UPPER PORTION OF SHALLOW WATER BEARING ZONE (0-120 ft bgs)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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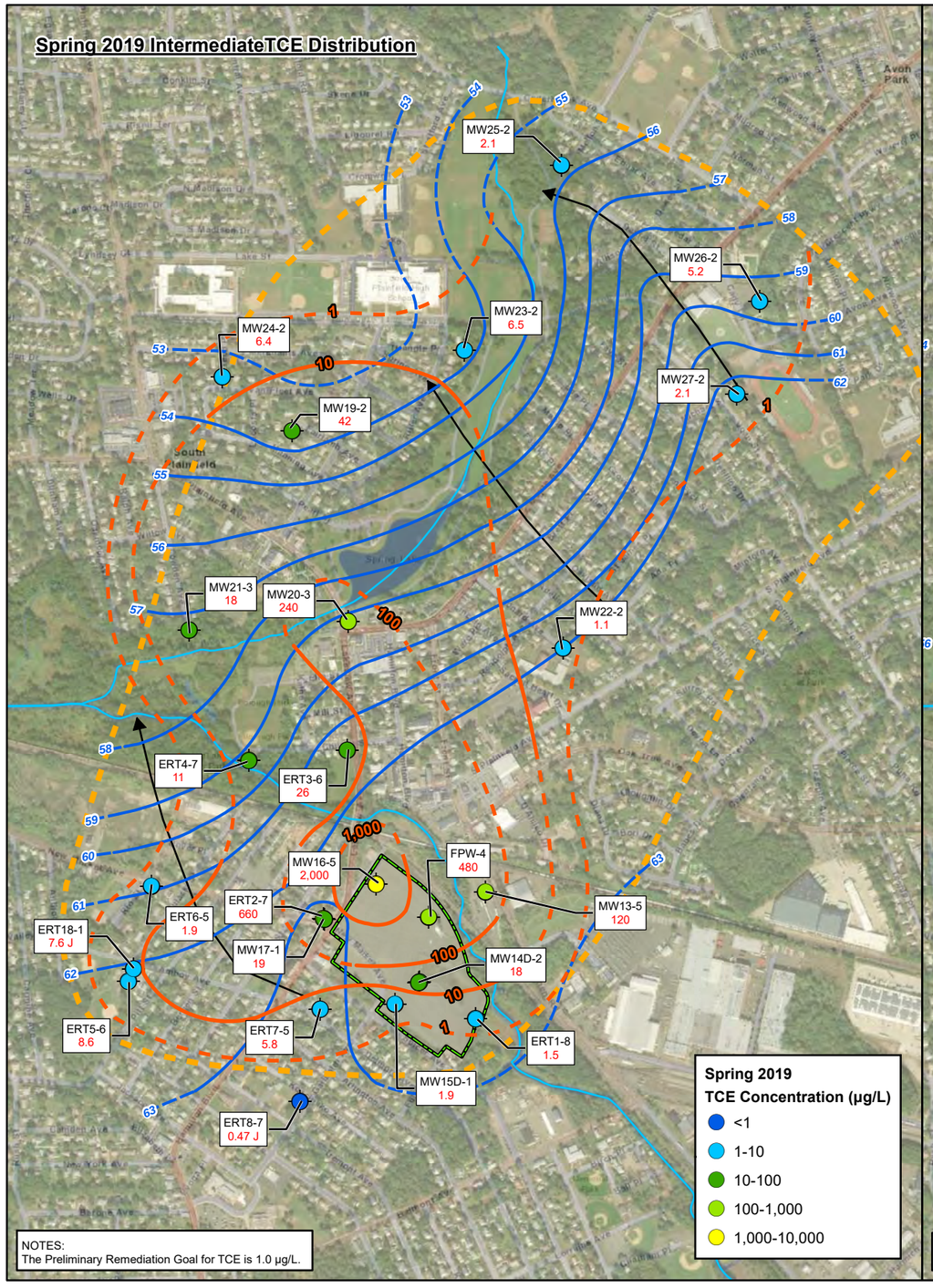
Spring 2019 IntermediateTCE Distribution

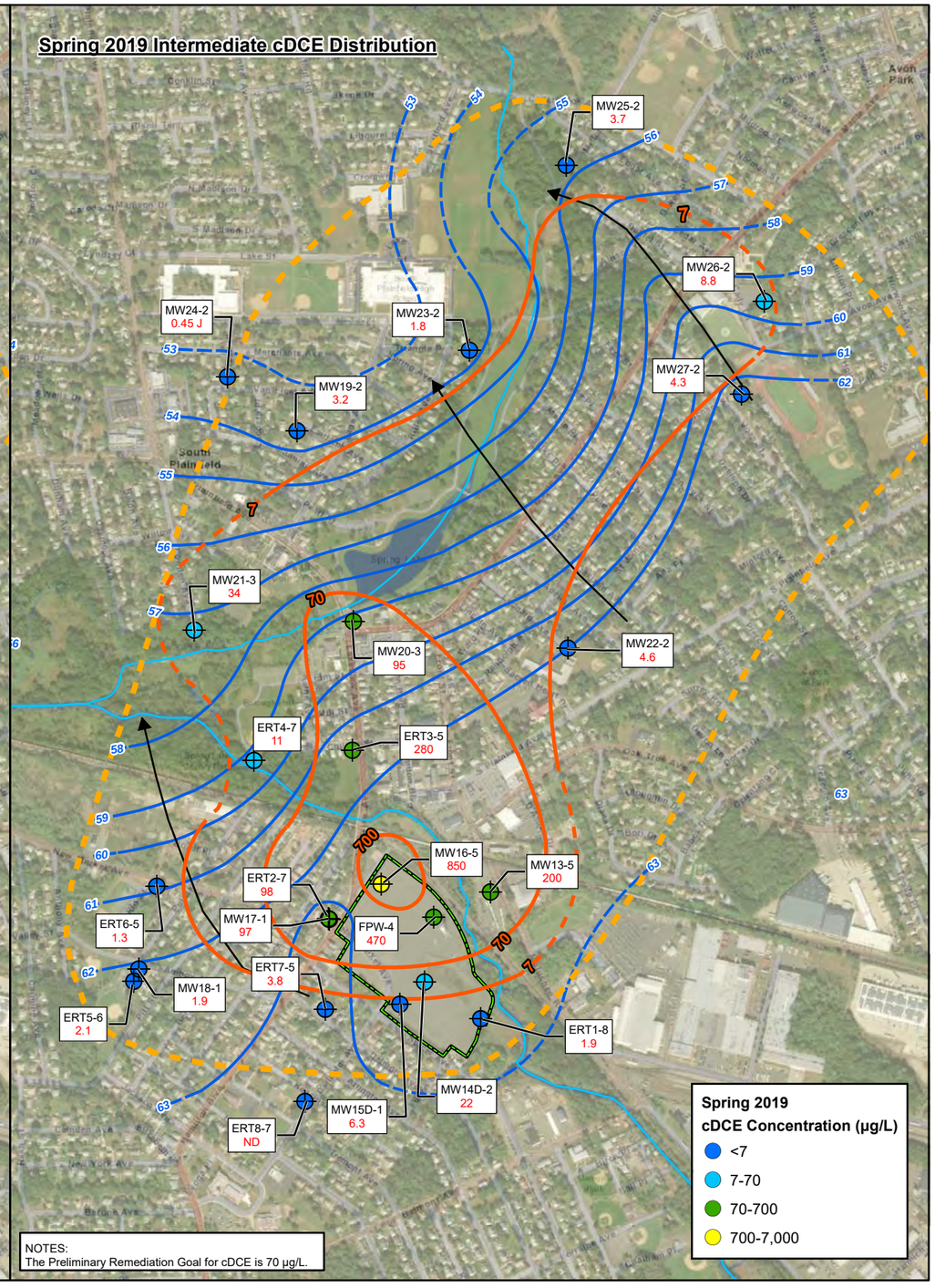


Spring 2019 TCE Concentration (µg/L)

- <1
- 1-10
- 10-100
- 100-1,000
- 1,000-10,000

NOTES:
The Preliminary Remediation Goal for TCE is 1.0 µg/L.

Spring 2019 Intermediate cDCE Distribution

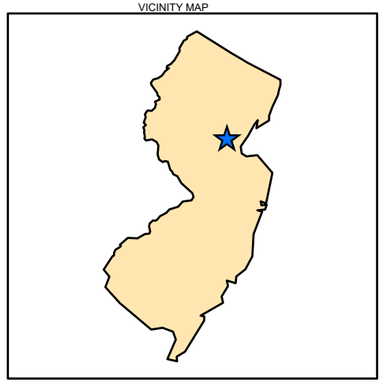


Spring 2019 cDCE Concentration (µg/L)

- <7
- 7-70
- 70-700
- 700-7,000

NOTES:
The Preliminary Remediation Goal for cDCE is 70 µg/L.

VICINITY MAP



Legend

- OU3 Study Area
- Former CDE Facility Boundary (OU2)
- Monitoring Well
- Stream
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction
- Spring 2018 Line of Equal TCE Concentration (µg/L) (Dashed where Inferred)
- XXX Contaminant Concentration (µg/L)

Note: µg/L = micrograms per liter

Concentrations from the shallowest sampling intervals* were used to generate lines of equal contaminant concentration. Concentrations from deeper intervals are not shown.

*Concentrations at MW17 and MW18 were was not used to generate lines of equal contaminant concentration. The shallowest ports at these locations are screened in the lower portion of the intermediate water-bearing zone (170-180 and 160-170 ft bgs, respectively).

0 1,000 2,000
Feet

1 in = 1,000 ft

N

Map Date: 1/20/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 5-2b
SPRING 2019 TCE AND cDCE DISTRIBUTION UPPER PORTION OF INTERMEDIATE WATER BEARING ZONE (120-185 ft bgs)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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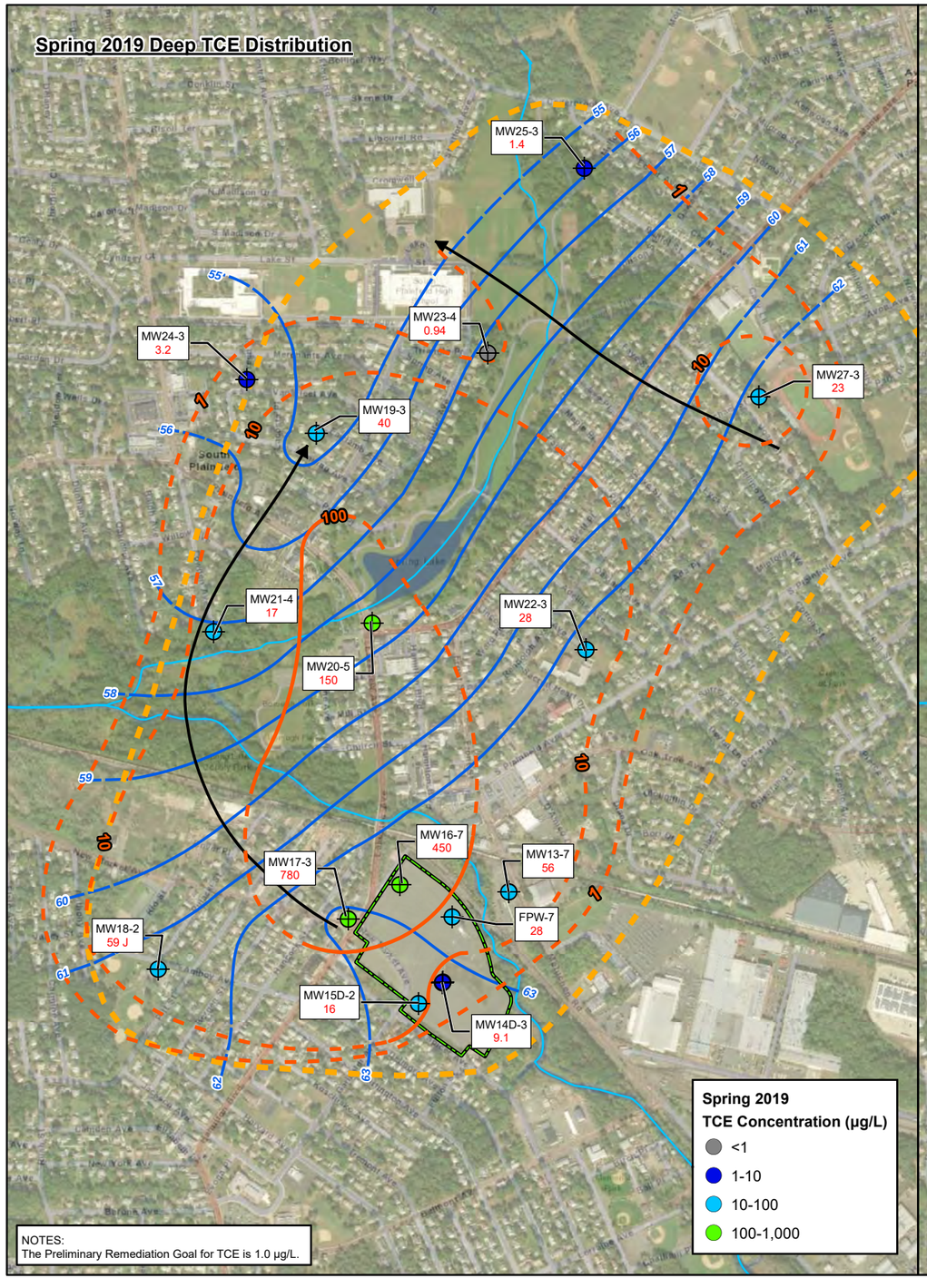
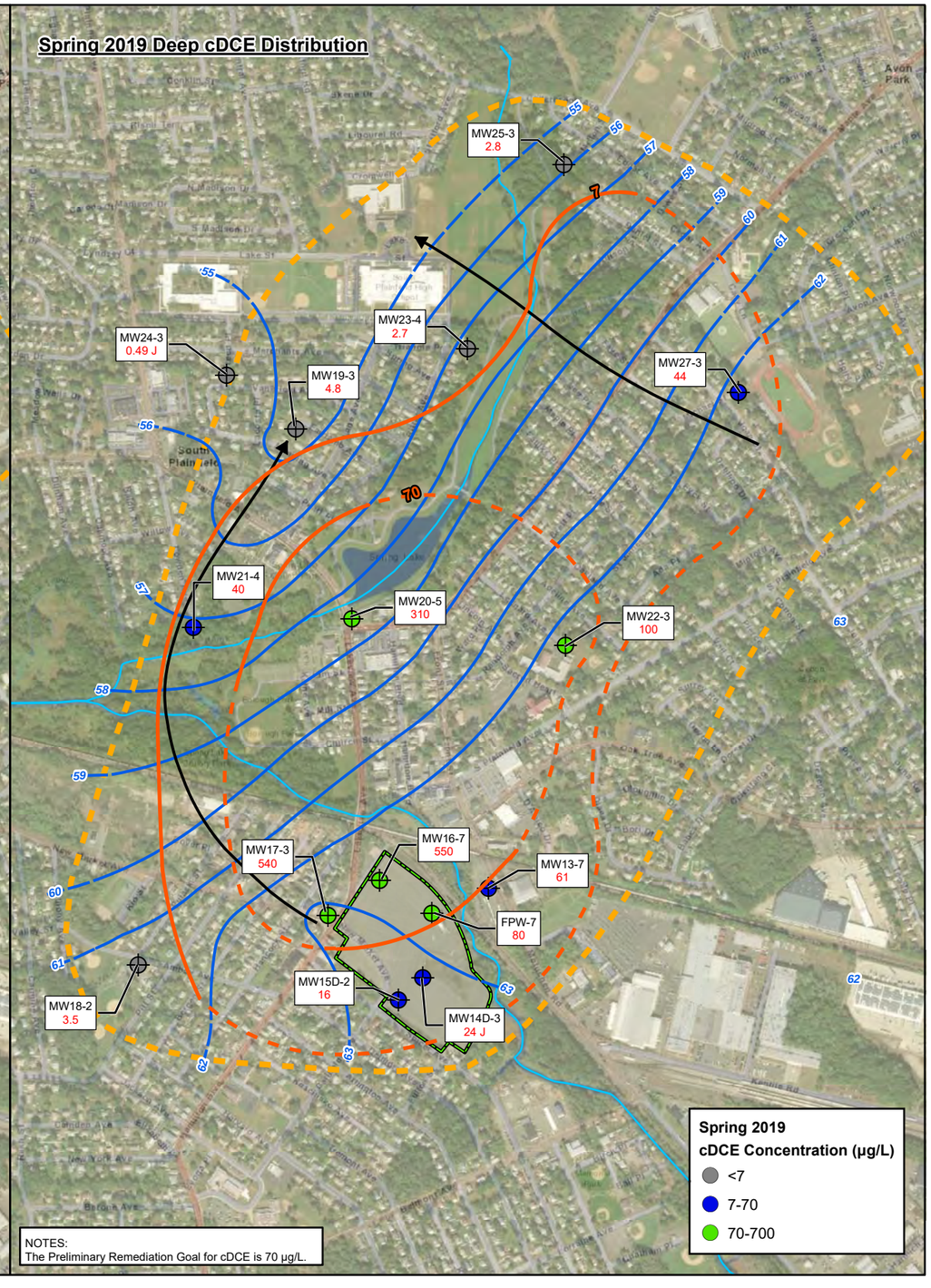
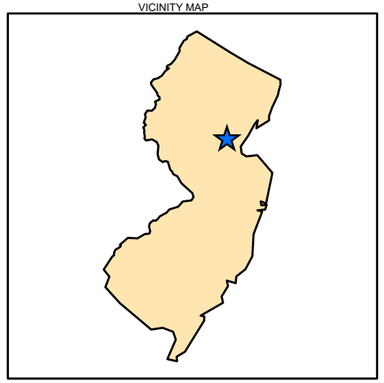




VICINITY MAP



Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Monitoring Well
- Stream
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction
- Spring 2019 Line of Equal Contaminant Concentration (µg/L) (Dashed where Inferred)
- XXX Contaminant Concentration (µg/L)

Note: µg/L = micrograms per liter

Concentrations from the shallowest sampling intervals in the deep water-bearing zone were used to generate lines of equal contaminant concentration. Concentrations from deeper intervals are not shown.

MW-26 is not shown. Sampling intervals at MW-26 are screened below 250 ft bgs.

0 1,000 2,000
Feet

1 in = 1,000 ft

N

Map Date: 1/20/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 5-2c
SPRING 2019 TCE AND cDCE DISTRIBUTION DEEP WATER BEARING ZONE (200-250 ft bgs)

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Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitoring Program Year 2

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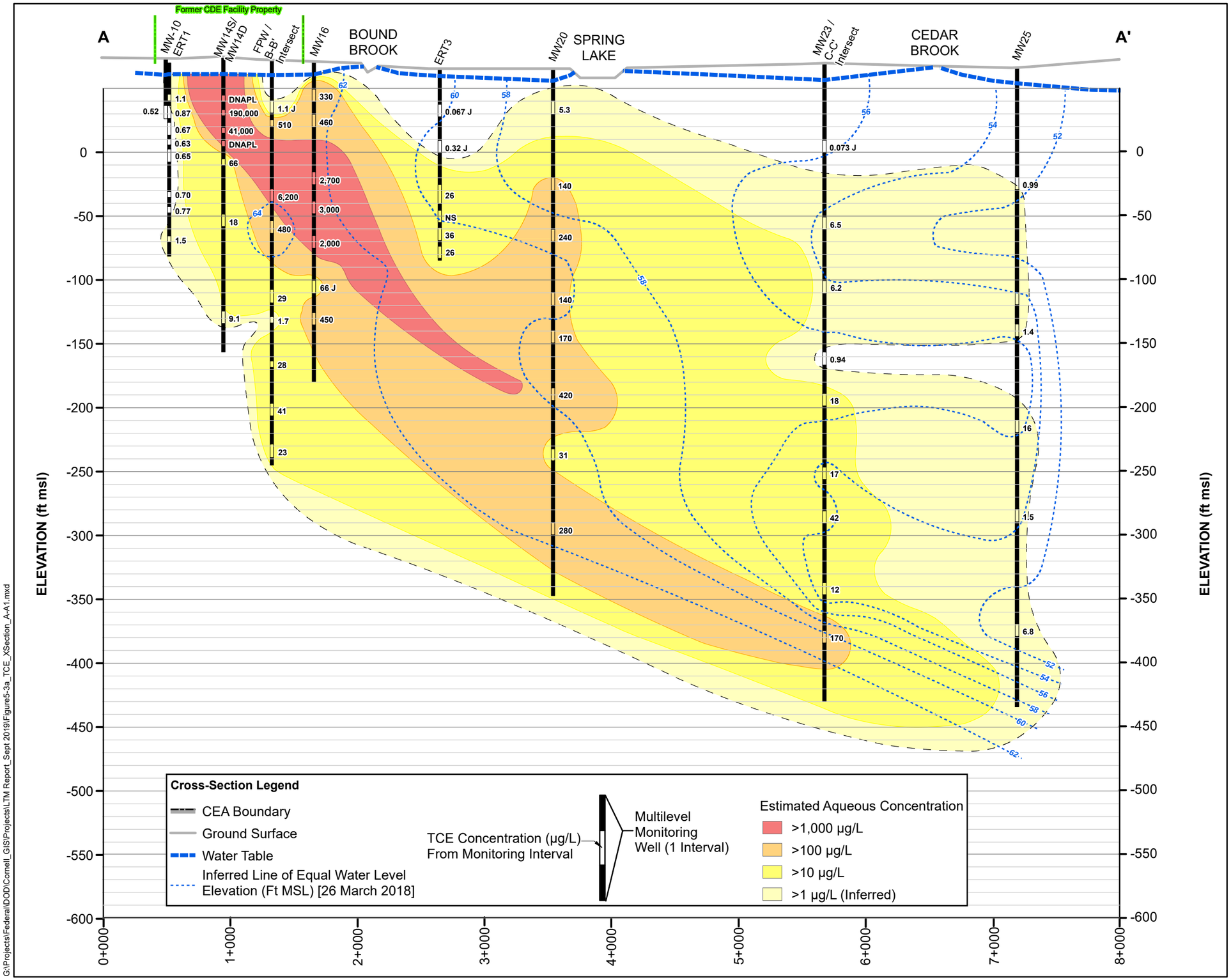

Map Date: 1/20/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 5-3a
SPRING 2019 A-A' HYDROGEOLOGIC CROSS-SECTION WITH AQUEOUS TCE CONCENTRATION ISOCONTOURS (SOUTH-NORTH)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitorign Program Year 2

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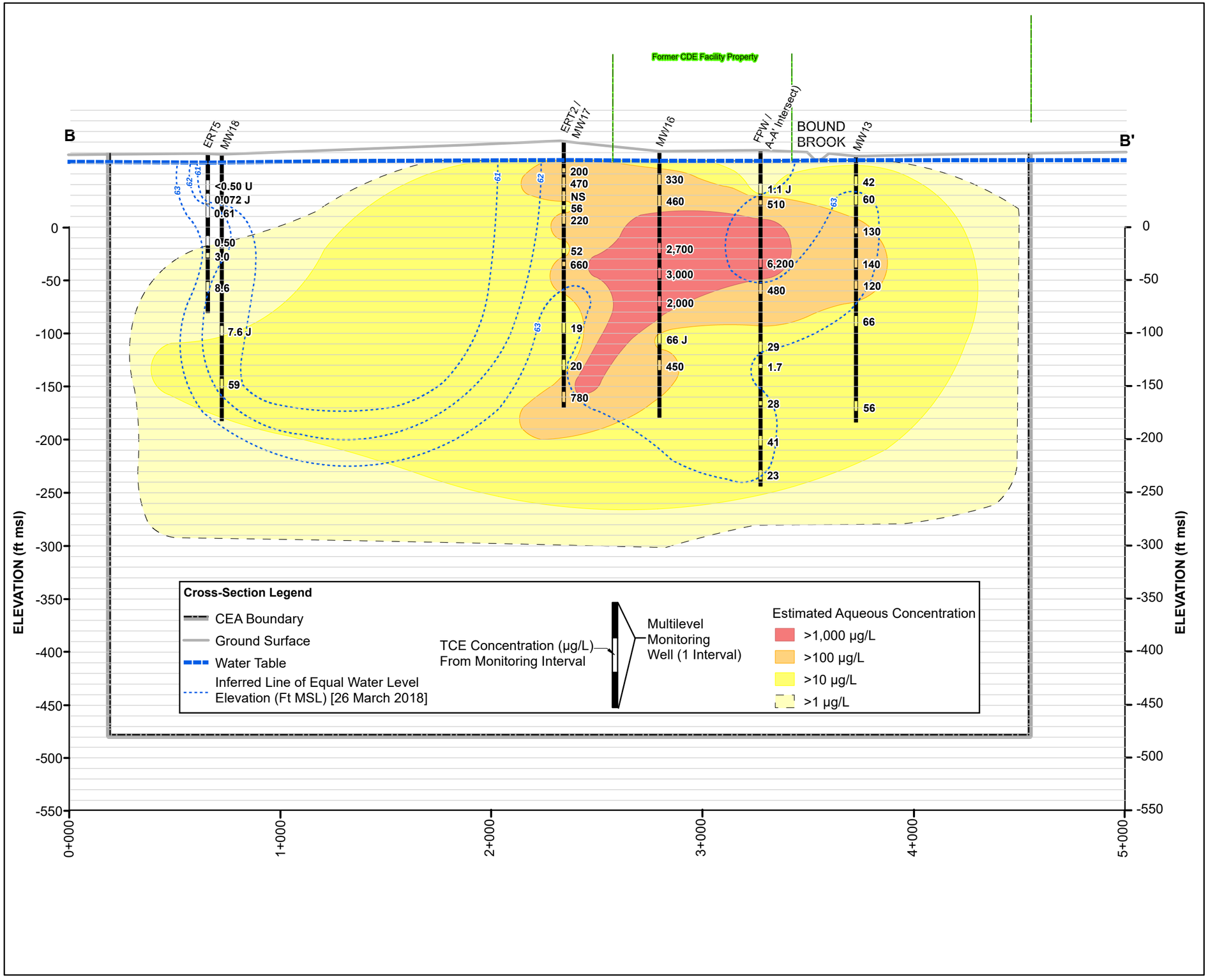
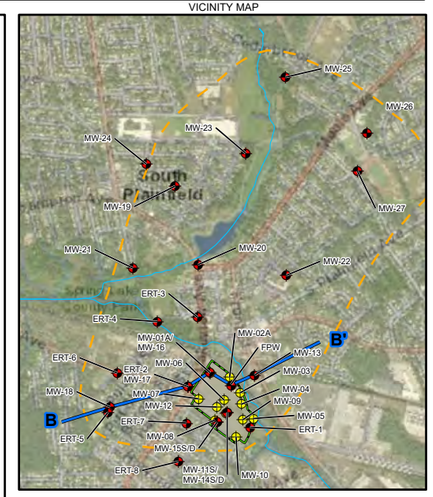


VICINITY MAP



Inset Map Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Shallow Bedrock Monitoring Well
- FLUTe Well
- Stream
- Cross-Section Baseline

Map Date: 1/20/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 5-3b
SPRING 2019 B-B' HYDROGEOLOGIC CROSS-SECTION WITH AQUEOUS TCE CONCENTRATION ISOCONTOURS (PLUME PROXIMAL WEST-EAST)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitorign Program Year 2

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C

C'

MW24 MW19 MW23 CEDAR BROOK MW27 MW26

ELEVATION (ft msl)

0 -50 -100 -150 -200 -250 -300 -350 -400 -450 -500 -550

0+000 1+000 2+000 3+000 4+000 5+000 6+000

0.081 J 6.4 3.2 1.5 1.5 3.9

5.4 42 40 2.4 8.6 J 0.086 J

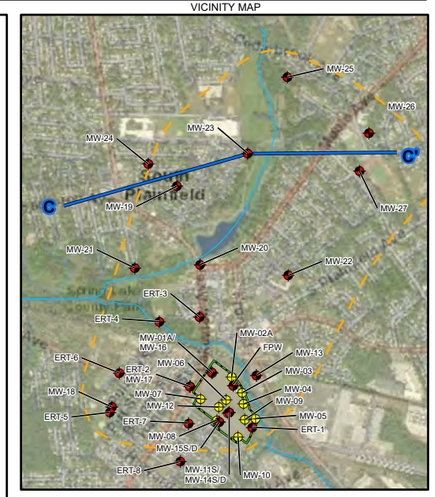
0.073 J 6.5 6.2 0.94 18 17 42 12 170 <0.50 UJ

5.9 2.1 23 6.1 0.23 J

6.0 5.2 5.2 6.2 1.4 0.47 J

-53 -54 -55 -56 -57 -58 -59 -60 -61 -62 -63

VICINITY MAP



Inset Map Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Shallow Bedrock Monitoring Well
- FLUTe Well
- Stream
- Cross-Section Baseline

Cross-Section Legend

- CEA Boundary
- Ground Surface
- Inferred Line of Equal Water Level Elevation (Ft MSL) [26 March 2018]
- TCE Concentration (µg/L) From Monitoring Interval
- Multilevel Monitoring Well (1 Interval)

C-C1_TCE_Plume2019

- >100 µg/L
- >10 µg/L
- >1 µg/L

Map Date: 1/20/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

FIGURE 5-3c
SPRING 2019 C-C' HYDROGEOLOGIC CROSS-SECTION WITH AQUEOUS TCE CONCENTRATION ISOCONTOURS (PLUME DISTAL WEST-EAST)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitorign Program Year 1

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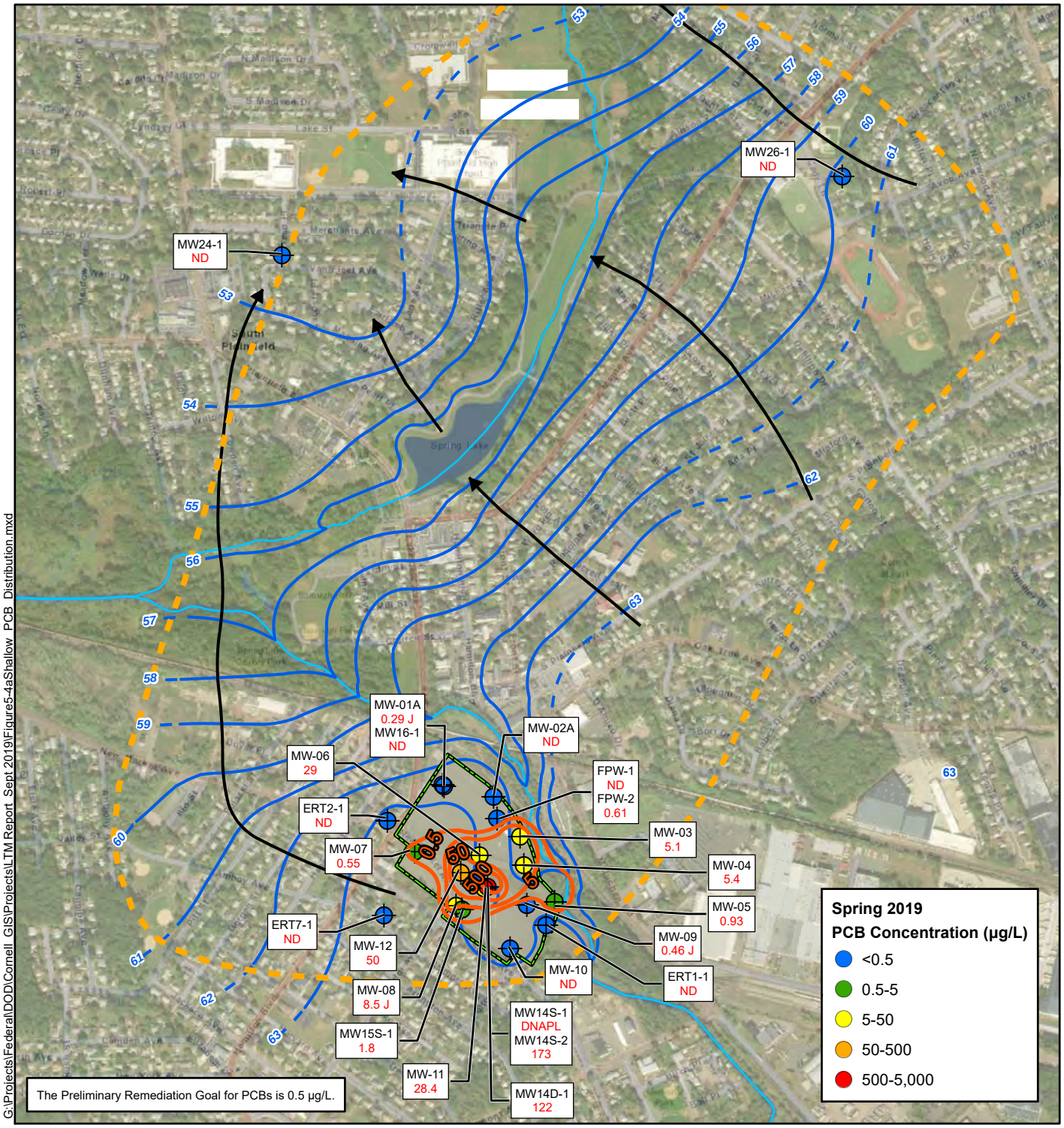
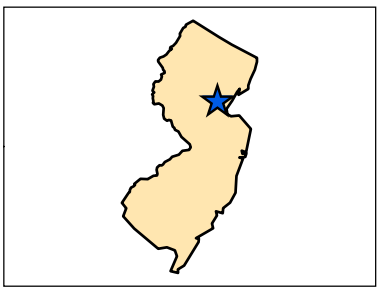


G:\Projects\Federal\DOD\Cornell GIS\Projects\LTM Report Sept 2019\Figure5-4aShallow PCB Distribution.mxd



Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Spring 2019 Line of Equal PCB Concentration (µg/L) (Dashed where Inferred)
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction
- XXX Total PCB Concentration (µg/L)

0 1,000 2,000
Feet
1 in = 1,000 ft

N

Note: µg/L = micrograms per liter

Concentrations from the shallowest sampling intervals* were used to generate lines of equal contaminant concentration. Concentrations from deeper intervals are not shown.

*Concentrations at MW-14D-1 were was not used to generate lines of equal contaminant concentration. MW-14D-1 is screened at the base of the shallow water-bearing zone.

FIGURE 5-4a
TOTAL PCB DISTRIBUTION
UPPER PORTION OF SHALLOW
WATER BEARING ZONE
(0-120 FT BGS)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
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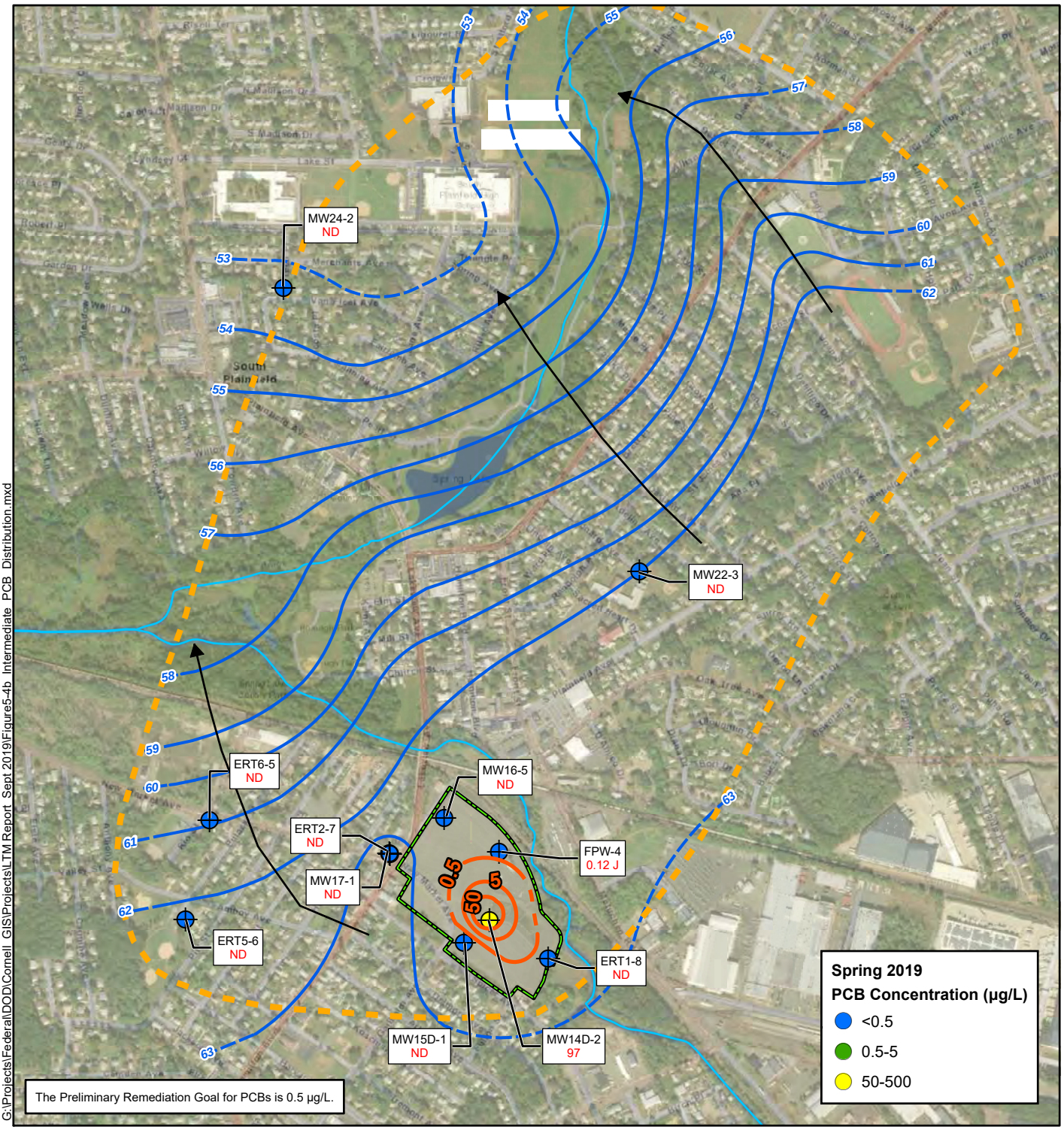
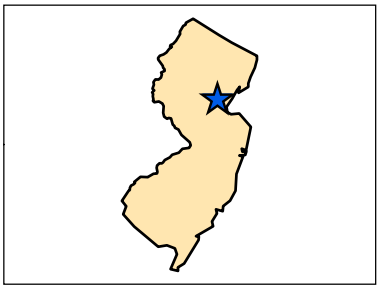
Map Date: 1/20/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet



G:\Projects\Federal\DOD\Cornell GIS\Projects\LTM Report Sept 2019\Figure5-4b Intermediate PCB Distribution.mxd



Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Monitoring Well
- Spring 2019 Line of Equal PCB Concentration (µg/L) (Dashed where Inferred)
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction
- XXX Total PCB Concentration (µg/L)

Note: µg/L = micrograms per liter

Concentrations from the shallowest sampling intervals within the intermediate water-bearing zone were used to generate lines of equal contaminant concentration. Concentrations from deeper intervals are not shown.

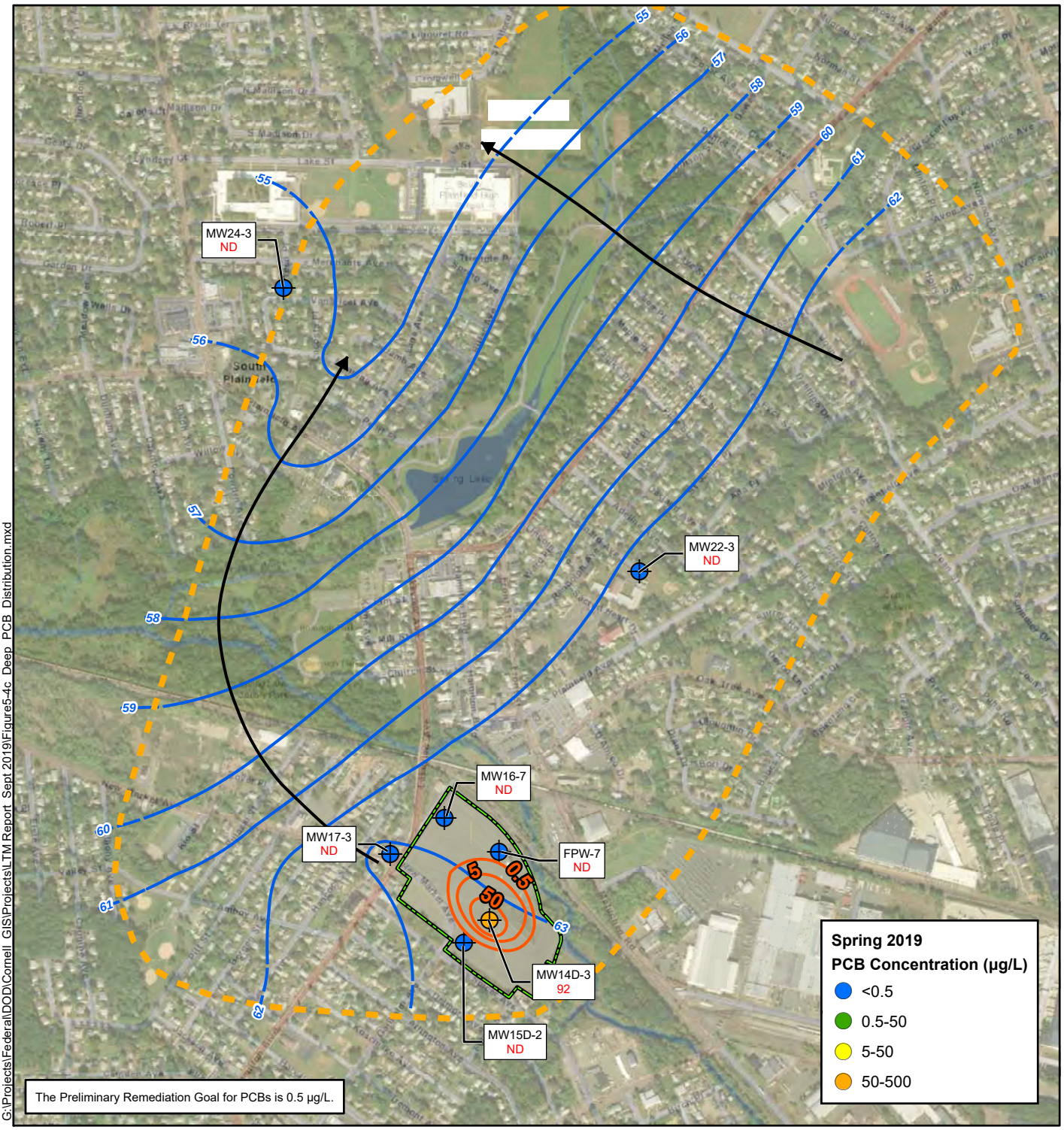
0 1,000 2,000
Feet
1 in = 1,000 ft

N

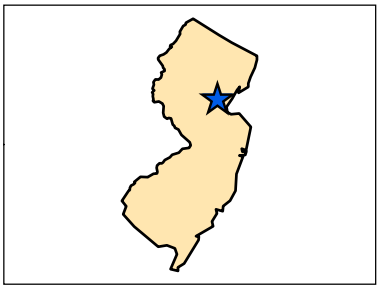
FIGURE 5-4b
TOTAL PCB DISTRIBUTION
UPPER PORTION OF INTERMEDIATE WATER BEARING ZONE
(120-185 FT BGS)

Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitorign Program Year 2

Map Date: 1/20/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet



G:\Projects\Federal\DOD\Cornell GIS\Projects\LTM Report Sept 2019\Figure5-4c Deep PCB Distribution.mxd



0 1,000 2,000
Feet
1 in = 1,000 ft

N

Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Monitoring Well
- Spring 2019 Line of Equal PCB Concentration (µg/L) (Dashed where Inferred)
- Line of Equal Groundwater Elevation (ft amsl) (Dashed where inferred)
- Groundwater Flow Direction
- XXX Total PCB Concentration (µg/L)

Note: µg/L = micrograms per liter

Concentrations from the shallowest sampling intervals within the deep water-bearing zone were used to generate lines of equal contaminant concentration. Concentrations from deeper intervals are not shown.

FIGURE 5-4c
TOTAL PCB DISTRIBUTION
DEEP WATER BEARING ZONE
(200-250 FT BGS)
Groundwater Monitoring Report
Cornell-Dubilier Electronics Superfund Site
South Plainfield, Middlesex County, New Jersey
Operable Unit 3: Groundwater
Long-Term Monitorign Program Year 2

Map Date: 1/20/2020
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

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Tables

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Table 1-1 Monitoring Well Construction Details

Well ID	Water FLUTe™ Port Number	Date Installed	Northing[a]	Easting[a]	Latitude (dd.mmss.sss)	Longitude (dd.mmss.sss)	Ground Elevation (ft amsl)[b]	Steel Casing Elevation (ft amsl)[b]	PVC Casing Elevation (ft amsl)[b]	Top of Port Fitting (ft amsl)[b]	Screen/Port Interval Top (ft bgs)	Screen/Port Interval Bottom (ft bgs)	Centre of Screen/Port Elevation (ft amsl)	Water-Bearing Zone
Single Screen Monitoring Wells														
MW-01A	N/A	2000	635224.6600	516294.7600	40°34'38.336"	-74°24'46.742"	71.42	70.70	70.37	N/A	24	49	34.20	Shallow
MW-02A	N/A	2000	635148.4600	516638.1800	40°34'37.208"	-74°24'42.292"	71.33	71.33	70.86	N/A	24	49	34.94	Shallow
MW-03	N/A	2000	634873.5200	516823.1200	40°34'34.861"	-74°24'39.898"	71.10	71.10	70.70	N/A	17	32	46.61	Shallow
MW-04	N/A	2000	634674.7200	516849.4400	40°34'32.896"	-74°24'39.560"	72.63	72.63	72.10	N/A	29	49	33.59	Shallow
MW-05	N/A	2000	634421.0400	517062.4900	40°34'30.387"	-74°24'36.802"	71.67	71.67	71.28	N/A	25	45.5	35.59	Shallow
MW-06	N/A	2000	634742.6000	516541.4300	40°34'33.570"	-74°24'43.551"	75.00	75.00	74.57	N/A	29	44	37.93	Shallow
MW-07	N/A	2000	634767.8700	516091.8400	40°34'33.824"	-74°24'49.377"	81.16	81.16	80.86	N/A	43	58	30.78	Shallow
MW-08	N/A	2000	634393.4700	516377.2700	40°34'30.121"	-74°24'45.683"	77.72	77.72	77.47	N/A	42	57.5	25.48	Shallow
MW-09	N/A	2000	634398.2900	516870.6200	40°34'30.164"	-74°24'39.289"	70.94	76.66	75.66	N/A	29	54	33.59	Shallow
MW-10	N/A	2000	634099.5100	516752.2900	40°34'27.212"	-74°24'40.826"	74.40	74.40	73.88	N/A	37	52	28.44	Shallow
MW-11	N/A	2000	634516.2800	516575.3700	40°34'31.333"	-74°24'43.114"	75.83	75.83	75.29	N/A	34	59	28.59	Shallow
MW-12	N/A	2000	634622.7700	516411.2800	40°34'32.387"	-74°24'45.239"	77.32	77.32	76.90	N/A	35	60	28.40	Shallow
Multilevel Monitoring Wells														
ERT-1	1	June 2008	634259.3200	517003.7300	40°34'28.789"	-74°24'37.566"	70.35	70.35	69.84	69.99	24	29	43.97	Shallow
	2									69.97	33	43	32.47	Shallow
	3									70.00	46	56	19.47	Shallow
	4									69.95	59	64	8.97	Shallow
	5									70.02	67	77	-1.53	Shallow
	6									70.03	100	105	-32.03	Shallow
	7									70.02	112	117	-44.03	Shallow
	8									70.04	135	140	-67.03	Intermediate
ERT-2	1	June 2008	634986.3999	515901.5944	40°34'35.985"	-74°24'51.840"	80.99	80.99	80.36	80.47	25	35	50.99	Shallow
	2									80.47	40	50	35.99	Shallow
	3									80.49	54	59	24.49	Shallow
	4									80.47	70	75	8.49	Shallow
	5									80.45	97	107	-21.01	Shallow
	6									80.45	113	123	-37.01	Shallow
	7									80.45	127	137	-51.01	Intermediate
ERT-3	1	June 2008	636202.8632	516074.6005	40°34'48.005"	-74°24'49.583"	65.84	69.10	68.69	68.91	27	37	33.84	Shallow
	2									68.87	55	65	5.84	Shallow
	3									68.88	90	105	-31.66	Shallow
	4									68.91	110	120	-49.16	Shallow
	5									68.87	124	134	-63.16	Intermediate
	6									68.87	138	148	-77.16	Intermediate
ERT-4	1	June 2008	636126.6008	515361.9824	40°34'47.258"	-74°24'58.820"	59.21	62.43	61.77	62.23	27	37	27.21	Shallow
	2									62.22	46	56	8.21	Shallow
	3									62.26	61	66	-4.29	Shallow
	4									62.19	83	88	-26.29	Shallow
	5									62.11	91	106	-39.29	Shallow
	6									62.15	111	116	-54.29	Shallow
	7									62.15	128	138	-73.79	Intermediate

Table 1-1 Monitoring Well Construction Details

Well ID	Water FLUTe™ Port Number	Date Installed	Northing[a]	Easting[a]	Latitude (dd.mmss.sss)	Longitude (dd.mmss.sss)	Ground Elevation (ft amsl)[b]	Steel Casing Elevation (ft amsl)[b]	PVC Casing Elevation (ft amsl)[b]	Top of Port Fitting (ft amsl)[b]	Screen/Port Interval Top (ft bgs)	Screen/Port Interval Bottom (ft bgs)	Centre of Screen/Port Elevation (ft amsl)	Water-Bearing Zone
ERT-5	1	June 2008	634530.1600	514490.1500	40°34'31.490"	-74°25'10.139"	69.72	69.72	69.03	69.17	24	34	40.72	Shallow
	2									69.17	37	47	27.72	Shallow
	3									69.16	50	60	14.72	Shallow
	4									69.15	77	87	-12.28	Shallow
	5									69.18	93	98	-25.78	Shallow
	6									69.20	120	130	-55.28	Intermediate
ERT-6	1	June 2008	635220.2228	514656.7197	40°34'38.308"	-74°25'07.972"	65.49	68.04	67.52	67.84	26	36	34.49	Shallow
	2									67.86	75	85	-14.51	Shallow
	3									67.84	93	103	-32.51	Shallow
	4									67.85	107	117	-46.51	Shallow
	5									67.85	128	138	-67.51	Intermediate
ERT-7	1	September 2009	634330.2800	515878.0300	40°34'29.501"	-74°24'52.154"	81.00	81.00	80.19	80.46	25	35	51	Shallow
	2									80.40	45	55	31	Shallow
	3									80.42	65	75	11	Shallow
	4									80.45	100	110	-24	Shallow
	5									80.48	130	140	-54	Intermediate
ERT-8	1	June 2008	Nov-34	515730.9300	40°34'22.896"	-74°24'54.069"	83.36	83.36	82.74	82.90	17	27	61.36	Shallow
	2									82.93	31	41	47.36	Shallow
	3									82.90	44	54	34.36	Shallow
	4									82.86	57	62	23.86	Shallow
	5									82.82	87	97	-8.64	Shallow
	6									82.90	107	112	-26.14	Shallow
	7									82.90	135	145	-56.64	Intermediate
MW-13	1	September 2009	Jan-39	517074.6450	40°34'37.885"	-74°24'36.634"	67.23	67.23	66.49	66.83	18	28	44.23	Shallow
	2									66.81	35	45	27.23	Shallow
	3									66.83	63	73	-0.77	Shallow
	4									66.86	95	105	-32.77	Shallow
	5									66.89	115	125	-52.77	Intermediate
	6									66.89	150	160	-87.77	Intermediate
	7									66.82	230	240	-167.77	Deep
MW-14S	1	September 2009	634528.0300	516596.4700	40°34'31.449"	-74°24'42.840"	75.72	75.71	75.01	75.41	30	35	42.58	Shallow
	2									75.39	41	46	31.58	Shallow
	3									75.37	55	60	17.58	Shallow
	4									75.45	65	70	7.58	Shallow
MW-14D	1	September 2009	634522.3100	516591.6400	40°34'31.392"	-74°24'42.903"	75.71	75.74	75.09	75.45	80	85	-7.21	Shallow
	2									75.47	123	133	-52.71	Intermediate
	3									75.46	199	209	-128.71	Deep
MW-15S	1	October 2009	634356.4800	516413.7700	40°34'29.755"	-74°24'45.210"	77.94	77.92	77.39	77.72	30	40	40.42	Shallow
	2									77.74	70	80	0.42	Shallow
MW-15D	1	October 2009	634367.8600	516419.1500	40°34'29.868"	-74°24'45.141"	77.95	77.93	77.31	77.49	125	135	-54.74	Intermediate
	2									77.49	185	195	-114.74	Intermediate

Table 1-1 Monitoring Well Construction Details

Well ID	Water FLUTe™ Port Number	Date Installed	Northing[a]	Easting[a]	Latitude (dd.mmss.sss)	Longitude (dd.mmss.sss)	Ground Elevation (ft amsl)[b]	Steel Casing Elevation (ft amsl)[b]	PVC Casing Elevation (ft amsl)[b]	Top of Port Fitting (ft amsl)[b]	Screen/Port Interval Top (ft bgs)	Screen/Port Interval Bottom (ft bgs)	Centre of Screen/Port Elevation (ft amsl)	Water-Bearing Zone
MW-16	1	September-October 2009	Mar-39	516283.0700	40°343'38.409"	-74°24'46.893"	71.32	71.28	69.83	70.06	20	30	45.73	Shallow
	2									70.10	40	50	25.73	Shallow
	3									70.06	85	95	-19.27	Shallow
	4									70.03	108	118	-42.27	Shallow
	5									70.06	135	145	-69.27	Intermediate
	6									70.03	170	180	-104.27	Intermediate
	7									70.03	195	205	-129.27	Deep
MW-17	1	September 2009	634981.5306	515908.3658	40°34'35.937"	-74°24'51.753"	81.03	81.03	80.14	80.46	170	180	-93.97	Intermediate
	2									80.44	205	215	-128.97	Deep
	3									80.57	235	245	-158.97	Deep
MW-18	1	September 2009	634620.1507	514526.6150	40°34'32.379"	-74°25'09.665"	68.24	68.24	67.38	67.69	160	170	-96.76	Intermediate
	2									67.85	210	220	-146.76	Deep
MW-19	1	September 2009	Mar-48	515674.6020	40°35'10.822"	-74°24'54.738"	64.53	64.53	63.78	63.97	65	75	-5.47	Shallow
	2									63.97	132	142	-72.47	Intermediate
	3									63.93	200	210	-140.47	Deep
	4									63.95	257	267	-197.47	Overdeep
	5									63.98	367	377	-307.47	Overdeep
	6									63.99	480	490	-420.47	Overdeep
	7									63.95	545	555	-485.47	Overdeep
MW-20	1	September 2009	637131.6959	516081.8303	40°34'57.184"	-74°24'49.477"	66.22	66.22	65.42	65.57	25	35	36.22	Shallow
	2									65.60	85	95	-23.78	Shallow
	3									65.66	125	135	-63.78	Intermediate
	4									65.65	175	185	-113.78	Intermediate
	5									65.71	205	215	-143.78	Deep
	6									65.71	250	260	-188.78	Overdeep
	7									65.71	297	307	-235.78	Overdeep
	8									65.63	355	365	-293.78	Overdeep
MW-21	1	September 2009	637069.0767	514929.2610	40°34'56.576"	-74°25'04.417"	59.17	59.17	58.50	58.61	50	60	4.17	Shallow
	2									58.75	87	97	-32.83	Shallow
	3									58.80	150	160	-95.83	Intermediate
	4									58.80	205	215	-150.83	Deep
	5									58.76	260	270	-205.83	Overdeep
	6									58.82	428	438	-373.83	Overdeep
	7									58.72	485	495	-430.83	Overdeep
	8									58.82	505	515	-450.83	Overdeep
MW-22	1	October 2009	636938.9088	517636.1305	40°34'55.263"	-74°24'29.333"	69.28	69.28	68.52	68.74	45	55	19.28	Shallow
	2									68.70	125	135	-60.72	Intermediate
	3									68.70	210	220	-145.72	Deep
	4									68.66	305	315	-240.72	Overdeep

Table 1-1 Monitoring Well Construction Details

Well ID	Water FLUTe™ Port Number	Date Installed	Northing[a]	Easting[a]	Latitude (dd.mmss.sss)	Longitude (dd.mmss.sss)	Ground Elevation (ft amsl)[b]	Steel Casing Elevation (ft amsl)[b]	PVC Casing Elevation (ft amsl)[b]	Top of Port Fitting (ft amsl)[b]	Screen/Port Interval Top (ft bgs)	Screen/Port Interval Bottom (ft bgs)	Centre of Screen/Port Elevation (ft amsl)	Water-Bearing Zone
MW-23	1	December 2010	639092.8800	516922.1200	40°35'16.556"	-74°24'38.559"	70.43	70.43	69.68	69.93	60	70	5.43	Shallow
	2									69.81	120	130	-54.57	Intermediate
	3									69.96	170	180	-104.57	Intermediate
	4									69.96	226	236	-160.57	Deep
	5									69.94	258	268	-192.57	Overdeep
	6									69.97	316	326	-250.57	Overdeep
	7									69.97	350	360	-284.57	Overdeep
	8									69.94	406	416	-340.57	Overdeep
	9									69.92	444	454	-378.57	Overdeep
MW-24	1	April 2016	638899.6800	515169.2300	40°35'14.664"	-74°25'01.284"	67.08	67.10	66.57	66.67	85	95	-22.92	Shallow
	2									66.61	135	145	-72.92	Intermediate
	3									66.65	240	250	-177.92	Deep
	4									66.67	332	342	-269.92	Overdeep
	5									66.64	370	380	-307.92	Overdeep
	6									66.65	455	465	-392.92	Overdeep
MW-25	1	May 2016	640432.2100	517624.2600	40°35'29.414"	-74°24'30.896"	66.58	68.92	68.22	68.37	85	95	-23.42	Shallow
	2									68.36	175	185	-113.42	Intermediate
	3									68.37	200	210	-138.42	Deep
	4									68.37	275	285	-213.42	Overdeep
	5									68.37	345	355	-283.42	Overdeep
	6									68.37	435	445	-373.42	Overdeep
MW-26	1	February-March 2016	639446.3700	519059.0700	40°35'20.028"	-74°24'10.854"	69.18	69.20	68.43	68.57	95	105	-30.82	Shallow
	2									68.62	175	185	-110.82	Intermediate
	3									68.57	255	265	-190.82	Overdeep
	4									68.57	305	320	-243.32	Overdeep
	5									68.53	385	395	-320.82	Overdeep
	6									68.53	455	465	-390.82	Overdeep
MW-27	1	March 2016	638775.9100	518893.2500	40°35'13.404"	-74°24'13.013"	69.03	69.04	68.23	68.28	85	95	-20.97	Shallow
	2									68.26	180	190	-115.97	Intermediate
	3									68.28	225	235	-160.97	Deep
	4									68.24	370	380	-305.97	Overdeep
	5									68.29	460	470	-395.97	Overdeep
Former Production Well (FPW)	1	October 2009	634997.5100	516663.6600	40°34'32.087"	-73°59'08.316"	72.76	72.76	71.61	72.01	31	41	36.43	Shallow
	2									72.01	46	51	23.93	Shallow
	3									72.06	100	110	-32.57	Shallow
	4									72.01	125	135	-57.57	Intermediate
	5									72.03	180	190	-112.57	Intermediate
	6									72.06	200	205	-130.07	Deep
	7									72.11	235	245	-167.57	Deep
	8									72.13	268	278	-200.57	Overdeep
	9									72.13	300	310	-232.57	Overdeep

a. Northing and Easting coordinates are in NAD 1983 State Plane New Jersey FIPS 2900 feet.
b. Vertical values are referenced to the North American Vertical Datum of 1988 (NAVD 88).
Notes:
amsl = Above mean sea level
ID = Identification
FLUTe™ = Flexible Liner Underground Technology, Ltd. P.C
ft = Feet
bgs = Below ground surface

Table 1-2 Preliminary Remediation Goals

Chemical of Concern	CAS No.	NJDEP Remediation Standards for Groundwater (µg/L)	NJDEP PQL (µg/L)	NJDEP Modified Remediation Standards for Groundwater (µg/L)[a]	Federal MCLs (µg/L)	NJDEP Drinking Water MCLs (µg/L)	Preliminary Remediation Goal (µg/L)
Volatile Organic Compounds							
1,1,2-Trichloroethane	79-00-5	3	2	3	5	3	3
1,1-Dichloroethene	75-35-4	1	1	1	7	2	1
1,2,4-Trichlorobenzene	120-82-1	9	1	9	70	9	9
1,2-Dibromo-3-chloropropane	96-12-8	0.02	0.02	0.02	0.2	0.2	0.02
1,2-Dichloroethane	107-06-2	0.3	2	2	5	2	2
1,4-Dichlorobenzene	106-46-7	75	5	75	75	75	75
Benzene	71-43-2	0.2	1	1	5	1	1
Bromodichloromethane	75-27-4	0.6	1	1	80	NA	1
Chlorobenzene	108-90-7	50	1	50	100	50	50
Chloroform	67-66-3	70	1	70	80	NA	70
cis-1,2-Dichloroethene	156-59-2	70	1	70	70	70	70
Dibromochloromethane	124-48-1	0.4	1	1	80	NA	1
Methyl tert-butyl ether	1634-04-4	70	1	70	NA	70	70
Methylene chloride	75-09-2	3	1	3	5	3	3
Tetrachloroethene	127-18-4	0.4	1	1	5	1	1
trans-1,2-Dichloroethene	156-60-5	100	1	100	100	100	100
Trichloroethene	79-01-6	1	1	1	5	1	1
Vinyl chloride	75-01-4	0.08	1	1	2	2	1
Semi-Volatile Organic Compounds							
Benzo(a)anthracene	56-55-3	0.05	0.1	0.1	NA	NA	0.1
Benzo(a)pyrene	50-32-8	0.005	0.1	0.1	0.2	0.2	0.1
Benzo(b)fluoranthene	205-99-2	0.05	0.2	0.2	NA	NA	0.2
Benzo(k)fluoranthene	207-08-9	0.5	0.3	0.5	NA	NA	0.5
bis(2-Ethylhexyl)phthalate	117-81-7	2	3	3	6	6	3
Dibenzo(a,h)anthracene	53-70-3	0.005	0.3	0.3	NA	NA	0.3
Indeno(1,2,3-cd)pyrene	193-39-5	0.05	0.2	0.2	NA	NA	0.2
Polychlorinated Biphenyls and Dioxins							
Aroclor 1016[b]	12674-11-2	0.02	0.5	0.5	0.5	0.5	0.5
Aroclor 1248[b]	12672-29-6	0.02	0.5	0.5	0.5	0.5	0.5
Aroclor 1254[b]	11097-69-1	0.02	0.5	0.5	0.5	0.5	0.5
2,3,7,8-TCDD Toxic Equivalence	1746-01-6	0.0000002	0.00001	0.00001	0.00003	0.00003	0.00001

Table 1-2 Preliminary Remediation Goals

Chemical of Concern	CAS No.	NJDEP Remediation Standards for Groundwater (µg/L)	NJDEP PQL (µg/L)	NJDEP Modified Remediation Standards for Groundwater (µg/L)[a]	Federal MCLs (µg/L)	NJDEP Drinking Water MCLs (µg/L)	Preliminary Remediation Goal (µg/L)
Pesticides							
4,4'-DDD	72-54-8	0.1	0.02	0.1	NA	NA	0.1
4,4'-DDE	72-55-9	0.1	0.01	0.1	NA	NA	0.1
4,4'-DDT	50-29-3	0.1	0.1	0.1	NA	NA	0.1
alpha-BHC	319-84-6	0.006	0.02	0.02	NA	NA	0.02
beta-BHC	319-85-7	0.02	0.04	0.04	NA	NA	0.04
Dieldrin	60-57-1	0.002	0.03	0.03	NA	NA	0.03
Endosulfan II	33213-65-9	40	0.04	40	NA	NA	40
Endosulfan sulfate	1031-07-8	40	0.02	40	NA	NA	40
gamma-BHC	58-89-9	0.03	0.02	0.03	0.2	0.2	0.03
gamma-Chlordane[c]	5103-74-2	0.01	0.5	0.5	2	0.5	0.5
Heptachlor	76-44-8	0.008	0.05	0.05	0.4	0.4	0.05
Heptachlor epoxide	1024-57-3	0.004	0.2	0.2	0.2	0.2	0.2
Methoxychlor	72-43-5	40	0.1	40	40	40	40
Inorganics							
Aluminum	7429-90-5	200	30	200	50-200	200	50
Arsenic	7440-38-2	0.02	3	3	10	5	3
Barium	7440-39-3	6,000	200	6,000	2,000	2,000	2,000
Cadmium	7440-43-9	4	0.5	4	5	5	4
Chromium	7440-47-3	70	1	70	100	100	70
Iron	7439-89-6	300	20	300	300	300	300
Lead	7439-92-1	5	5	5	15	NA	5
Manganese	7439-96-5	50	0.4	50	50	50	50

a. Modified' is defined as the higher of the Remediation Standard for Groundwater and PQL

b. Aroclor standards are for "PCBs (Polychlorinated biphenyls)" which include all PCB Aroclors

c. Standards for gamma-Chlordane come from "Total" Chlordane standard that includes alpha- and gamma-Chlordane

Notes:

µg/L = Microgram(s) per liter
CAS = Chemical Abstracts Service
MCL = Maximum contaminant level
NJDEP = New Jersey Department of Environmental Protection
PQL = Project quantitation limit

Table 3-1 Spring 2019 Sample and Analysis Summary

Well ID	FLUTe™ Port Number	Spring 2018 Sample Type[a,b,c]	Spring 2018 Sample ID	Samples Sets Collected						Sample Date	Sample Time	Shealy Environmental Services Data Package	Chemtech Consulting Group Data Package	Cape Fear Analytical, LLC Data Package
				TCL VOCs[d]	TCL Pesticides[f]	PCB Aroclors[g]	TAL metals[h]	Dioxins/ furans[i]	PCB Congeners[j]					
MW-01A	N/A	---	LTM03-MW01A-SH-S19	1	1	1	---	1	1	6/11/2019	8:23	BE5L0	---	BE5L0
MW-02A	N/A	---	LTM03-MW02A-SH-S19	1	1	1	---	---	---	6/10/2019	8:35	BE5H8	---	---
MW-03	N/A	---	LTM03-MW03-SH-S19	1	1	1	1	---	---	6/12/2019	14:11	BE5K3	MBE5K3	---
MW-04	N/A	---	LTM03-MW04-SH-S19	1	1	1	1	---	---	6/11/2019	18:13	BE5K4	MBE5K4	---
MW-05	N/A	---	LTM03-MW05-SH-S19	1	1	1	1	---	---	6/10/2019 / 6/12/2019 (Metals)	2:12 / 14:20 (Metals)	BE5K5	MBE5K5 / MBE5S1 (Resample)	---
MW-06	N/A	Parent	LTM03-MW06-SH-S19	1	1	1	1	---	---	6/11/2019	14:15	BE5M7	MBE5M7	---
		Duplicate	FD-061119	1	1	1	1	---	---	6/11/2019	15:00	BE5M6	MBE5M6	---
MW-07	N/A	---	LTM03-MW07-SH-S19	1	1	1	1	---	---	6/11/2019	1619	BE5N9	MBE5N9	---
MW-08	N/A	---	LTM03-MW08-SH-S19	1	1	1	---	---	---	6/10/2019	16:27	BE5K9	---	---
MW-09	N/A	---	LTM03-MW09-SH-S19	1	1	1	---	---	---	6/10/2019	15:49	BE5K6	---	---
MW-10	N/A	---	LTM03-MW10-SH-S19	1	1	1	---	---	---	6/10/2019	12:36	BE5J8	---	---
MW-11	N/A	---	LTM03-MW11-SH-S19	1	1	1	---	1	1	6/11/2019	14:30	BE5M9	---	BE5M9
MW-12	N/A	MS/MSD	LTM03-MW12-SH-S19	1	1	1	1	1	1	6/11/2019	1	BE5M8	MBE5M8	BE5M8
				---	2	2	2	2	2					
ERT-1	1	MS/MSD	LTM03-ERT1-1-S19	1	1	1	---	---	---	6/10/2019	10:07	BE5H9	---	---
				---	2	2	---	---	---					
	2		LTM03-ERT1-2-S19	1	1	1	---	---	---	6/10/2019	10:07	BE5J0	---	---
	3	Parent	LTM03-ERT1-3-S19	1	1	1	---	---	---	6/10/2019	10:07	BE5J1	---	---
		Duplicate	FD-061019	1	1	1	---	---	---	6/10/2019	10:07	BE5J4	---	---
	4	---	LTM03-ERT1-4-S19	1	1	1	---	---	---	6/10/2019	10:07	BE5J2	---	---
	5	---	LTM03-ERT1-5-S19	1	1	1	---	---	---	6/10/2019	10:07	BE5J3	---	---
	6	---	LTM03-ERT1-6-S19	1	1	1	---	---	---	6/10/2019	10:07	BE5J5	---	---
	7	---	LTM03-ERT1-7-S19	1	1	1	---	---	---	6/10/2019	10:07	BE5J6	---	---
	8	---	LTM03-ERT1-8-S19	1	1	1	---	---	---	6/10/2019	10:07	BE5J7	---	---
ERT-2	1	---	LTM03-ERT2-1-S19	1	1	1	1	---	---	6/12/2019	9:32	BE5P0	MBE5P0	---
	2	---	LTM03-ERT2-2-S19	1	1	1	1	---	---	6/12/2019	9:32	BE5P1	MBE5P1	---
	4	---	LTM03-ERT2-4-S19	1	1	1	---	---	---	6/12/2019	9:32	BE5P2	---	---
	5	---	LTM03-ERT2-5-S19	1	1	1	---	---	---	6/12/2019	9:32	BE5P3	---	---
	6	---	LTM03-ERT2-6-S19	1	1	1	---	---	---	6/12/2019	9:32	BE5P4	---	---
	7	---	LTM03-ERT2-7-S19	1	1	1	---	---	---	6/12/2019	9:32	BE5P5	---	---
ERT-3	1	---	LTM03-ERT3-1-S19	1	---	---	---	---	---	6/6/2019	8:44	BE5C6	---	---
	2	---	LTM03-ERT3-2-S19	1	---	---	---	---	---	6/6/2019	8:44	BE5C7	---	---
	3	---	LTM03-ERT3-3-S19	1	---	1	---	---	---	6/6/2019 (VOC) / 6/12/2019 (PCBs)	8:44:00 (VOC / 13:20 (PCBs)	BE5C8 (VOC) / BE5H5 (PCBs)	---	---
	5	---	LTM03-ERT3-5-S19	1	---	---	---	---	---	6/6/2019	8:44	BE5C9	---	---
	6	---	LTM03-ERT3-6-S19	1	---	---	---	---	---	6/6/2019	8:44	BE5D0	---	---
ERT-4	1	---	LTM03-ERT4-1-S19	1	---	---	---	---	---	6/12/2019	14:30	BE5E8	---	---
	2	Parent	LTM03-ERT4-2-S19	1	---	---	---	---	---	6/12/2019	14:30	BE5E9	---	---
		Duplicate	FD061219-2	1	---	---	---	---	---	6/12/2019	14:30	BE5F5	---	---
	3	---	LTM03-ERT4-3-S19	1	---	---	---	---	---	6/12/2019	14:30	BE5F0	---	---
	4	---	LTM03-ERT4-4-S19	1	---	---	---	1	1	6/7/2019 (dioxins/furans and PCB congeners) / 6/12/2019 (VOCs)	09:17 (dioxins/furans and PCB congeners) /	BE5R0	---	BE5F1
	5	---	LTM03-ERT4-5-S19	1	---	---	---	---	---	6/7/2019	9:17	BE5F2	---	---
	6	---	LTM03-ERT4-6-S19	1	---	---	---	---	---	6/12/2019	14:30	BE5F3	---	---
	7	---	LTM03-ERT4-7-S19	1	---	---	---	---	---	6/12/2019	14:30	BE5F4	---	---
ERT-5	1	---	LTM03-ERT5-1-S19	1	---	---	---	---	---	6/4/2019	12:58	BE571	---	---
	2	---	LTM03-ERT5-2-S19	1	---	---	---	---	---	6/4/2019	12:58	BE572	---	---
	3	---	LTM03-ERT5-3-S19	1	---	---	---	---	---	6/4/2019	12:58	BE573	---	---
	4	---	LTM03-ERT5-4-S19	1	---	---	---	---	---	6/4/2019	12:58	BE574	---	---
	5	---	LTM03-ERT5-5-S19	1	---	---	---	---	---	6/4/2019	12:58	BE575	---	---
	6	---	LTM03-ERT5-6-S19	1	---	1	---	---	---	6/4/2019	12:58	BE576	---	---

Table 3-1 Spring 2019 Sample and Analysis Summary

Well ID	FLUTe™ Port Number	Spring 2018 Sample Type[a,b,c]	Spring 2018 Sample ID	Samples Sets Collected						Sample Date	Sample Time	Shealy Environmental Services Data Package	Chemtech Consulting Group Data Package	Cape Fear Analytical, LLC Data Package
				TCL VOCs[d]	TCL Pesticides[f]	PCB Aroclors[g]	TAL metals[h]	Dioxins/ furans[i]	PCB Congeners[j]					
ERT-6	1	---	LTM03-ERT6-1-S19	1	---	---	---	---	---	6/4/2019	10:00	BE579	---	---
	2	---	LTM03-ERT6-2-S19	1	---	---	---	---	---	6/4/2019	10:00	BE580	---	---
	3	---	LTM03-ERT6-3-S19	1	---	---	---	---	---	6/4/2019	10:00	BE581	---	---
	4	---	LTM03-ERT6-4-S19	1	---	---	---	---	---	6/4/2019	10:00	BE582	---	---
	5	---	LTM03-ERT6-5-S19	1	---	1	---	---	---	6/4/2019	10:00	BE583	---	---
ERT-7	1	---	LTM03-ERT7-1-S19	1	---	1	---	---	---	6/6/2019	10:51	BE5C0	---	---
	2	---	LTM03-ERT7-2-S19	1	---	1	---	---	---	6/6/2019	10:51	BE5C1	---	---
	3	---	LTM03-ERT7-3-S19	1	---	1	1	---	---	6/6/2019	10:51	BE5C2	MBE5C2	---
	4	Parent	LTM03-ERT7-4-S19	1	---	1	---	---	---	6/6/2019	10:51	BE5C3	---	---
		Duplicate	FD060619	1	---	1	---	---	---	6/6/2019	12:00	BE5C4	---	---
	5	MS/MSD	LTM03-ERT7-5-S19	1	---	1	1	---	---	6/6/2019	10:51	BE5C5	MBE5C5	---
				---	---	2	2	---	---					
ERT-8	1	---	LTM03-ERT8-1-S19	1	---	---	---	---	---	6/11/2019	9:53	BE5L1	---	---
	2	---	LTM03-ERT8-2-S19	1	---	---	---	---	---	6/11/2019	9:53	BE5L2	---	---
	3	---	LTM03-ERT8-3-S19	1	---	---	---	---	---	6/11/2019	9:53	BE5L3	---	---
	5	---	LTM03-ERT8-5-S19	1	---	---	---	---	---	6/11/2019	9:53	BE5L4	---	---
	6	---	LTM03-ERT8-6-S19	1	---	---	---	---	---	6/11/2019	9:53	BE5L5	---	---
	7	---	LTM03-ERT8-7-S19	1	---	---	---	---	---	6/11/2019	9:53	BE5L6	---	---
MW-13	1	---	LTM03-MW13-1-S19	1	---	---	---	---	---	6/5/2019	15:22	BE5A2	---	---
	2	---	LTM03-MW13-2-S19	1	---	---	---	---	---	6/5/2019	15:22	BE5A3	---	---
	3	---	LTM03-MW13-3-S19	1	---	---	1	---	---	6/5/2019	15:22	BE5A4	MBE5A4	---
	4	Parent	LTM03-MW13-4-S19	1	---	---	1	---	---	6/5/2019	15:22	BE5A5	MBE5A5	---
		Duplicate	FD060519-3	1	---	---	1	---	---	6/5/2019	16:20	BE5A9	MBE5A9	---
	5	---	LTM03-MW13-5-S19	1	---	---	---	---	---	6/5/2019	15:22	BE5A6	---	---
	6	---	LTM03-MW13-6-S19	1	---	---	---	---	---	6/5/2019	15:22	BE5A7	---	---
	7	---	LTM03-MW13-7-S19	1	---	---	---	---	---	6/5/2019	15:22	BE5A8	---	---
MW-14S	1	---	LTM03-MW14S-1-S19	---	---	---	---	---	---	DNAPL, no sample collected				
	2	---	LTM03-MW14S-2-S19	1	1	1	1	1	1	6/12/2019	10:01	BE5Q0	MBE5Q0	BE5Q0
	3	---	LTM03-MW14S-3-S19	1	1	1	1	1	1	6/12/2019	10:01	BE5Q1	MBE5Q1	BE5Q1
	4	---	LTM03-MW14S-4-S19	---	---	---	---	---	---	DNAPL, no sample collected				
MW-14D	1	---	LTM03-MW14D-1-S19	1	1	1	---	1	1	6/12/2019	10:05	BE5Q4	---	BE5Q4
	2	Parent	LTM03-MW14D-2-S19	1	1	1	---	1	1	6/12/2019	10:05	BE5Q5	---	BE5Q5
		Duplicate	FD061219-1	1	1	1	---	1	1	6/12/2019	10:05	BE5Q3	---	BE5Q3
	3	---	LTM03-MW14D-3-S19	1	1	1	---	1	1	6/12/2019	10:05	BE5Q6	---	BE5Q6
MW-15S	1	---	LTM03-MW15S-1-S19	1	1	1	1	---	---	6/10/2019 / 6/12/2019 (metals)	4:45 / 15:20 (metals)	BE5J9	MBE5J9	---
	2	---	LTM03-MW15S-2-S19	1	1	1	1	---	---	6/10/2019 / 6/12/2019 (metals)	4:45 / 15:20 (metals)	BE5K0	MBE5K0	---
MW-15D	1	---	LTM03-MW15D-1-S19	1	1	1	1	---	---	6/10/2019 / 6/12/2019 (metals)	4:45 / 15:20 (metals)	BE5K1	MBE5K1	---
	2	---	LTM03-MW15D-2-S19	1	1	1	1	---	---	6/10/2019 / 6/12/2019 (metals)	4:45 / 15:20 (metals)	BE5K2	MBE5K2	---
MW-16	1	---	LTM03-MW16-1-S19	1	1	1	---	---	---	6/11/2019	14:31	BE5L9	---	---
	2	---	LTM03-MW16-2-S19	1	1	1	---	---	---	6/11/2019	14:31	BE5M0	---	---
	3	---	LTM03-MW16-3-S19	1	1	1	---	---	---	6/11/2019	14:31	BE5M1	---	---
	4	---	LTM03-MW16-4-S19	1	1	1	1	---	---	6/11/2019	14:31	BE5M2	MBE5M2	---
	5	---	LTM03-MW16-5-S19	1	1	1	1	---	---	6/11/2019	14:31	BE5M3	MBE5M3	---
	6	---	LTM03-MW16-6-S19	1	1	1	1	---	---	6/11/2019	14:31	BE5M4	MBE5M4	---
	7	---	LTM03-MW16-7-S19	1	1	1	1	1	1	6/11/2019	14:31	BE5M5	MBE5M5	BE5M5
MW-17	1	---	LTM03-MW17-1-S19	1	1	1	---	---	---	6/12/2019	10:10	BE5P6	---	---
	2	---	LTM03-MW17-2-S19	1	1	1	---	---	---	6/12/2019	10:10	BE5P7	---	---
	3	---	LTM03-MW17-3-S19	1	1	1	1	---	---	6/12/2019	10:10	BE5P8	MBE5P8	---
MW-18	1	---	LTM03-MW18-1-S19	1	---	---	---	---	---	6/4/2019	12:27	BE577	---	---
	2	---	LTM03-MW18-2-S19	1	---	---	1	---	---	6/4/2019	12:27	BE578	MBE578	---

Table 3-1 Spring 2019 Sample and Analysis Summary

Well ID	FLUTe™ Port Number	Spring 2018 Sample Type[a,b,c]	Spring 2018 Sample ID	Samples Sets Collected						Sample Date	Sample Time	Shealy Environmental Services Data Package	Chemtech Consulting Group Data Package	Cape Fear Analytical, LLC Data Package
				TCL VOCs[d]	TCL Pesticides[f]	PCB Aroclors[g]	TAL metals[h]	Dioxins/ furans[i]	PCB Congeners[j]					
MW-19	1	---	LTM03-MW19-1-S19	1	---	---	---	---	---	6/5/2019	10:07	BE584	---	---
	2	---	LTM03-MW19-2-S19	1	---	---	1	---	---	6/5/2019	10:07	BE585	MBE585	---
	3	---	LTM03-MW19-3-S19	1	---	---	---	---	---	6/5/2019	10:07	BE586	---	---
	4	---	LTM03-MW19-4-S19	1	---	---	---	---	---	6/5/2019	10:07	BE587	---	---
	5	---	LTM03-MW19-5-S19	1	---	---	1	---	---	6/5/2019	12:13	BE588	MBE588	---
	6	---	LTM03-MW19-6-S19	1	---	---	---	---	---	6/5/2019	12:13	BE589	---	---
	7	Parent	LTM03-MW19-7-S19	1	---	---	---	---	---	6/5/2019	12:13	BE590	---	---
		Duplicate	FD060519-2	1	---	---	---	---	---	6/5/2019	16:10	BE5A0	---	---
MW-20	1	---	LTM03-MW20-1-S19	1	---	---	---	---	---	6/5/2019	9:52	BE591	---	---
	2	---	LTM03-MW20-2-S19	1	---	---	---	---	---	6/5/2019	9:52	BE592	---	---
	3	---	LTM03-MW20-3-S19	1	---	---	---	---	---	6/5/2019	9:52	BE593	---	---
	4	Parent	LTM03-MW20-4-S19	1	---	---	---	---	---	6/5/2019 / 6/12/2019	9:52 / 12:10	BE594 / BE596	---	---
		Duplicate	FD060519-1	1	---	---	---	---	---	6/5/2019	16:00	BE599	---	---
	5	---	LTM03-MW20-5-S19	1	---	---	---	---	---	6/5/2019 / 6/12/2019	11:35 / 12:10	BE595	---	---
	6	---	LTM03-MW20-6-S19	1	---	---	---	---	---	6/5/2019 / 6/21/2019	12:10 / 10:00	BE596 / BE5S6	---	---
	7	---	LTM03-MW20-7-S19	1	---	---	---	---	---	6/5/2019	11:35	BE597	---	---
	8	---	LTM03-MW20-8-S19	1	---	---	---	---	---	6/5/2019	11:35	BE598	---	---
MW-21	1	---	LTM03-MW21-1-S19	1	---	---	1	---	---	6/7/2019 (metals) / 6/12/2019 (VjCs)	12:38 (metals) / 12:35 (VOCs)	BE5R2	MBE5F6	---
	2	---	LTM03-MW21-2-S19	1	---	---	1	---	---	6/7/2019 (metals) / 6/12/2019 (VjCs)	12:38 (metals) / 12:35 (VOCs)	BE5R3	MBE5F7	---
	3	---	LTM03-MW21-3-S19	1	---	---	1	---	---	6/7/2019 (metals) / 6/12/2019 (VjCs)	12:38 (metals) / 12:35 (VOCs)	BE5R4	MBE5F8	---
	4	---	LTM03-MW21-4-S19	1	---	---	1	---	---	6/7/2019 (metals) / 6/12/2019 (VjCs)	12:38 (metals) / 12:35 (VOCs)	BE5R5	MBE5F9	---
	5	---	LTM03-MW21-5-S19	1	---	---	1	---	---	6/7/2019 (metals) / 6/12/2019 (VjCs)	12:38 (metals) / 12:35 (VOCs)	BE5R6	MBE5G0	---
	6	---	LTM03-MW21-6-S19	1	---	---	1	---	---	6/7/2019 (metals) / 6/12/2019 (VjCs)	12:38 (metals) / 12:35 (VOCs)	BE5R7	MBE5G1	---
	7	---	LTM03-MW21-7-S19	1	---	---	1	---	---	6/7/2019 (metals) / 6/12/2019 (VjCs)	12:38 (metals) / 12:35 (VOCs)	BE5R8	MBE5G2	---
	8	---	LTM03-MW21-8-S19	1	---	---	1	---	---	6/7/2019 (metals) / 6/12/2019 (VjCs)	12:38 (metals) / 12:35 (VOCs)	BE5R9	MBE5G3	---
MW-22	1	---	LTM03-MW22-1-S19	1	---	---	---	---	---	6/6/2019	9:43	BE5B6	---	---
	2	---	LTM03-MW22-2-S19	1	---	---	---	---	---	6/6/2019	9:43	BE5B7	---	---
	3	---	LTM03-MW22-3-S19	1	---	1	---	---	---	6/6/2019	9:43	BE5B8	---	---
	4	---	LTM03-MW22-4-S19	1	---	---	1	---	---	6/6/2019	9:43	BE5B9	MBE5B9	---
MW-23	1	---	LTM03-MW23-1-S19	1	---	---	---	---	---	6/6/2019	13:07	BE5D7	---	---
	2	---	LTM03-MW23-2-S19	1	---	---	---	---	---	6/6/2019	13:07	BE5D8	---	---
	3	---	LTM03-MW23-3-S19	1	---	---	---	---	---	6/6/2019	13:07	BE5D9	---	---
	4	---	LTM03-MW23-4-S19	1	---	---	---	---	---	6/6/2019	13:07	BE5E0	---	---
	5	---	LTM03-MW23-5-S19	1	---	---	---	---	---	6/6/2019	13:07	BE5E1	---	---
	6	---	LTM03-MW23-6-S19	1	---	---	1	---	---	6/6/2019	14:58	BE5E2	MBE5E2	---
	7	---	LTM03-MW23-7-S19	1	---	---	---	---	---	6/6/2019	14:58	BE5E3	---	---
	8	---	LTM03-MW23-8-S19	1	---	---	---	---	---	6/6/2019	14:58	BE5#4	---	---
	9	---	LTM03-MW23-9-S19	1	---	---	---	---	---	6/6/2019	1458	BE5E5	---	---
MW-24	1	---	LTM03-MW24 -1-S19	1	---	1	1	---	---	6/5/2019	16:18	BE5B0	MBE5B0	---
	2	---	LTM03-MW24 -2-S19	1	---	1	---	---	---	6/5/2019	16:18	BE5B1	---	---
	3	---	LTM03-MW24 -3-S19	1	---	1	---	---	---	6/5/2019	16:18	BE5B2	---	---
	4	---	LTM03-MW24 -4-S19	1	---	1	---	---	---	6/5/2019	16:18	BE5B3	---	---
	5	---	LTM03-MW24 -5-S19	1	---	1	---	---	---	6/5/2019	16:18	BE5B4	---	---
	6	---	LTM03-MW24 -6-S19	1	---	1	---	---	---	6/5/2019	16:18	BE5B5	---	---
MW-25	1	---	LTM03-MW25 -1-S19	1	---	---	---	---	---	6/10/2019	15:55	BE5G4	---	---
	2	---	LTM03-MW25 -2-S19	1	---	---	---	---	---	6/10/2019	15:55	BE5G5	---	---
	3	---	LTM03-MW25 -3-S19	1	---	---	---	---	---	6/10/2019	15:55	BE5G6	---	---
	4	---	LTM03-MW25 -4-S19	1	---	---	---	---	---	6/10/2019	15:55	BE5G7	---	---
	5	---	LTM03-MW25 -5-S19	1	---	---	---	---	---	6/10/2019	15:55	BE5G8	---	---
	6	---	LTM03-MW25 -6-S19	1	---	---	---	---	---	6/10/2019	15:55	BE5G9	---	---
MW-26	1	---	LTM03-MW26-1-S19	1	---	1	1	---	---	6/6/2019	14:28	BE5D1	MBE5D1	---
	2	---	LTM03-MW26-2-S19	1	---	---	---	---	---	6/6/2019	14:28	BE5D2	---	---
	3	---	LTM03-MW26-3-S19	1	---	---	---	---	---	6/6/2019	14:28	BE5D3	---	---
	4	---	LTM03-MW26-4-S19	1	---	---	---	---	---	6/6/2019	14:28	BE5D4	---	---
	5	---	LTM03-MW26-5-S19	1	---	---	---	---	---	6/6/2019	14:28	BE5D5	---	---
	6	---	LTM03-MW26-6-S19	1	---	1	---	---	---	6/6/2019	14:28	BE5D6	---	---

Table 3-1 Spring 2019 Sample and Analysis Summary

Well ID	FLUTe™ Port Number	Spring 2018 Sample Type[a,b,c]	Spring 2018 Sample ID	Samples Sets Collected						Sample Date	Sample Time	Shealy Environmental Services Data Package	Chemtech Consulting Group Data Package	Cape Fear Analytical, LLC Data Package
				TCL VOCs[d]	TCL Pesticides[f]	PCB Aroclors[g]	TAL metals[h]	Dioxins/ furans[i]	PCB Congeners[j]					
MW-27	1	---	LTM03-MW27-1-S19	1	---	---	---	---	---	6/10/2019	17:00	BE5H0	---	---
	2	---	LTM03-MW27-2-S19	1	---	---	---	---	---	6/10/2019	17:00	BE5H1	---	---
	3	---	LTM03-MW27-3-S19	1	---	---	---	---	---	6/10/2019	17:00	BE5H2	---	---
	4	---	LTM03-MW27-4-S19	1	---	---	---	---	---	6/10/2019	17:00	BE5H3	---	---
	5	---	LTM03-MW27-5-S19	1	---	---	---	---	---	6/10/2019	17:00	BE5H4	---	---
Former Production Well (FWP)	1	---	LTM03-FWP-1-S19	1	1	1	---	---	---	6/11/2019	17:45	BE5N0	---	---
	2	MS/MSD	LTM03-FWP-2-S19	1	1	1	---	---	---	6/11/2019	17:45	BE5N1	---	---
				---	2	2	---	---	---					
	3	---	LTM03-FWP-3-S19	1	1	1	---	---	---	6/11/2019	17:45	BE5N2	---	---
	4	---	LTM03-FWP-4-S19	1	1	1	---	---	---	6/11/2019	17:45	BE5N3	---	---
	5	---	LTM03-FWP-5-S19	1	1	1	---	---	---	6/11/2019	17:45	BE5N4	---	---
	6	---	LTM03-FWP-6-S19	1	1	1	---	---	---	6/11/2019	17:45	BE5N5	---	---
	7	---	LTM03-FWP-7-S19	1	1	1	1	---	---	6/11/2019	17:45	BE5N6	MBE5N6	---
	8	---	LTM03-FWP-8-S19	1	1	1	---	---	---	6/11/2019	17:45	BE5N7	---	---
	9	---	LTM03-FWP-9-S19	1	1	1	1	---	---	6/11/2019	17:45	BE5N8	MBE5N8	---
Field Blank 1		Field Blank	FB060419	1	---	1	1	---	---	6/4/2019	14:30	BE567	MBE567	---
Field Blank 2		Field Blank	FB060519	1	---	1	1	---	---	6/5/2019	15:30	BE5A1	MBE5A1	---
Field Blank 3		Field Blank	FB060619	1	---	1	1	---	---	6/6/2019	15:20	BE5E6	MBE5E6	---
Field Blank 4		Field Blank	FB060719	---	---	---	1	1	1	6/7/1029	13:20	BE5H6	MBE5H6	BE5H6
Field Blank 5		Field Blank	FB061019	1	1	1	1	---	---	6/10/2019	17:15	BE5K8	MBE5K8	---
Field Blank 6		Field Blank	FB061119	1	1	1	1	1	1	6/11/2019	17:15	BE5L7	MBE5L7	BE5L7
Field Blank 7		Field Blank	FB061219	1	1	1	1	1	1	6/12/2019	14:15	BE5R1	MBE5R1	BE5R1
Field Blank 8		Field Blank	FB062119	1	---	---	---	---	---	6/21/2019	10:15	BE5S7	---	---
Trip Blank 1		VOC Trip Blank	TB06042019	1	---	---	---	---	---	6/4/2019	14:00	BE570	---	---
Trip Blank2		VOC Trip Blank	TB06042019	1	---	---	---	---	---	6/4/2019	14:00	BE570	---	
Trip Blank 3		VOC Trip Blank	TB06062019	1	---	---	---	---	---	6/6/2019	15:30	BE5E7	---	---
Trip Blank 4		VOC Trip Blank	TB060719	1	---	---	---	---	---	6/7/2019	---	---	---	---
Trip Blank 5		VOC Trip Blank	TB061019	1	---	---	---	---	---	6/10/2019	17:05	BE5K7	---	---
Trip Blank 6		VOC Trip Blank	TB061119-1	1	---	---	---	---	---	6/11/2019	17:30	BE5L8	---	---
Trip Blank 7		VOC Trip Blank	TB061119-2	1	---	---	---	---	---	6/11/2019	17:45	BE5Q9	---	---
Trip Blank 8		VOC Trip Blank	TB061219	1	---	---	---	---	---	6/12/2019	14:25	BE5Q7	---	---
Trip Blank 9		VOC Trip Blank	TB061219	1	---	---	---	---	---	6/21/2019	10:30	BE5S8	---	---

a. Duplicate and MS/MSD samples were collected at a rate of 5 percent of project samples (1 per 20 field samples).
b. Trip blanks shipped at a rate of 1 per cooler that contained aqueous VOC samples.
c. Field blanks were collected daily.
d. TCL VOCs (Trace) by Method EPA 524.2 or EPA-CLP SOW SOM02.4. SIM analysis also conducted for Dibromochloromethane and 1,2-Dibromo-3-chloropropanes to meet projecti action limits. Samples analyzed by Shealy Environmental Services, located in West Columbia, South Carolina.

e. TCL SVOCs (Low) and PAHs (SIM) by Method EPA 625 or EPA-CLP SOW SOM02.4. SIM analysis also conducted for Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Benzo(k)fluoranthene, Bis(2-ethylhexyl)phthalate, benzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, and Pentachlorophenol to meet project action limits. Samples analyzed by Shealy Environmental Services, located in West Columbia, South Carolina.
f. TCL Pesticides (Low) by Method EPA 608 or EPA-CLP SOW SOM02.4. Samples analyzed by Shealy Environmental Services, located in West Columbia, South Carolina.
g. PCB Aroclors (Low) by Method EPA 608 or EPA-CLP SOW SOM02.4. Samples analyzed by Shealy Environmental Services, located in West Columbia, South Carolina.
h. TAL metals (Low) by EPA Method 200.8 or EPA-CLP ISM02.4. Samples analyzed by the DESA Regional Laboratory located in Edison, New Jersey.
i. Dioxins/furans (Low) by EPA-CLP SOW HRMS01.2. Samples analyzed by Frontier Analytical Laboratory, located in El Dorado Hills, California.
j. PCB Congeners (Low) by EPA-CLP SOW HRMS01.2. Samples analyzed by Frontier Analytical Laboratory, located in El Dorado Hills, California.
k. Analytical reports and data validation reports provided in Attachment 6 for the DESA Regional Laboratory, Attachment 7 for Shealy Environmental Services, and Attachment 8 for Frontier Analytical Services.

Notes:
ID = Identification
FLUTe™ = Flexible Liner Underground Technology, Ltd. P.C
ft = feet
bgs = Below ground surface
SOP = Standard operating procedure
TCL = Target compound list
VOC = Volatile organic compound
SVOC = Semi-volatile organic compound
PAH = Polycyclic aromatic hydrocarbon
PCB = Polychlorinated biphenyl
TAL = Target analyte list
N/A = Not applicable
--- = No sample collected

Table 4-1 Synoptic Water Level Measurements

Well ID	Port (#)	PVC Elevation (ft amsl)[a]	Casing Elevation (ft amsl)[a]	Ground Surface Elevation (ft amsl)[a]	Measuring Point Elevation (ft amsl)[a,b]	Center of Port Elevation (ft amsl)[a]	3 June 2019 Synoptic Gauging	
							Depth to Water (ft bgs)	Water Level Elevation (ft amsl)[a]
Single Screen Monitoring Wells								
MW-01A	n/a	70.37	70.70	71.42	70.37	34.20	8.11	62.26
MW-02A	n/a	70.86	71.33	71.33	70.86	34.94	8.45	62.41
MW-03	n/a	70.70	71.10	71.10	70.70	46.61	8.85	61.85
MW-04	n/a	72.10	72.63	72.63	72.10	33.59	10.17	61.93
MW-05	n/a	71.28	71.67	71.67	71.28	35.59	9.12	62.16
MW-06	n/a	74.57	75.00	75.00	74.57	37.93	11.64	62.93
MW-07	n/a	80.86	81.16	81.16	80.86	30.78	18.05	62.81
MW-08	n/a	77.47	77.72	77.72	77.47	25.48	14.41	63.06
MW-09	n/a	75.66	76.66	70.94	75.66	33.59	13.24	62.42
MW-10	n/a	73.88	74.40	74.40	73.88	28.44	11.32	62.56
MW-11	n/a	75.29	75.83	75.83	75.29	28.59	12.26	63.03
MW-12	n/a	76.90	77.32	77.32	76.90	28.40	13.66	63.24
Multilevel Monitoring Wells								
MW-13	1	66.49	67.23	67.23	66.83	44.23	3.62	63.21
	2	66.49	67.23	67.23	66.81	27.23	4.39	62.42
	3	66.49	67.23	67.23	66.83	-0.77	4.36	62.47
	4	66.49	67.23	67.23	66.86	-32.77	1.67[c]	65.19[c,d]
	5	66.49	67.23	67.23	66.89	-52.77	0.00[c]	66.89[c,d]
	6	66.49	67.23	67.23	66.89	-87.77	0.01[c]	66.88[c,d]
	7	66.49	67.23	67.23	66.82	-167.77	0.01[c]	66.8[c,d]
MW-14S	1	75.01	75.71	75.72	75.41	42.58	11.78	63.63
	2	75.01	75.71	75.72	75.39	31.58	12.68	62.71
	3	75.01	75.71	75.72	75.37	17.58	7.69[c]	67.68[c,d]
	4	75.01	75.71	75.72	75.45	7.58	12.76	62.69
MW-14D	1	75.09	75.74	75.71	75.45	-7.21	12.87	62.58
	2	75.09	75.74	75.71	75.47	-52.71	12.90	62.57
	3	75.09	75.74	75.71	75.46	-128.71	12.31	63.15
MW-15S	1	77.39	77.92	77.94	77.72	40.42	14.71	63.01
	2	77.39	77.92	77.94	77.74	0.42	15.14	62.60
MW-15D	1	77.31	77.93	77.95	77.49	-54.74	14.93	62.56
	2	77.31	77.93	77.95	77.49	-114.74	14.92	62.57
MW-16	1	69.83	71.28	71.32	70.06	45.73	7.60	62.46
	2	69.83	71.28	71.32	70.10	25.73	7.88	62.22
	3	69.83	71.28	71.32	70.06	-19.27	7.72	62.34
	4	69.83	71.28	71.32	70.03	-42.27	7.68	62.35
	5	69.83	71.28	71.32	70.06	-69.27	7.65	62.41
	6	69.83	71.28	71.32	70.03	-104.27	7.34	62.69
	7	69.83	71.28	71.32	70.03	-129.27	7.38	62.65
MW-17	1	80.14	81.03	81.03	80.46	-93.97	17.24	63.22
	2	80.14	81.03	81.03	80.44	-128.97	17.40	63.04
	3	80.14	81.03	81.03	80.57	-158.97	12.33[c]	68.24[c,d]
MW-18	1	67.38	68.24	68.24	67.69	-96.76	5.98	61.71
	2	67.38	68.24	68.24	67.85	-146.76	6.37	61.48
MW-19	1	63.78	64.53	64.53	63.97	-5.47	11.62	52.35
	2	63.78	64.53	64.53	63.97	-72.47	10.76	53.21
	3	63.78	64.53	64.53	63.93	-140.47	9.20	54.73
	4	63.78	64.53	64.53	63.95	-197.47	8.85	55.10
	5	63.78	64.53	64.53	63.98	-307.47	8.75	55.23
	6	63.78	64.53	64.53	63.99	-420.47	6.20	57.79
	7	63.78	64.53	64.53	63.95	-485.47	3.73	60.22
MW-20	1	65.42	66.22	66.22	65.57	36.22	9.20	56.37
	2	65.42	66.22	66.22	65.60	-23.78	9.10	56.50
	3	65.42	66.22	66.22	65.66	-63.78	6.45	59.21
	4	65.42	66.22	66.22	65.65	-113.78	3.54	62.11
	5	65.42	66.22	66.22	65.71	-143.78	7.29	58.42
	6	65.42	66.22	66.22	65.71	-188.78	6.03	59.68
	7	65.42	66.22	66.22	65.71	-235.78	4.59	61.12
	8	65.42	66.22	66.22	65.63	-293.78	4.00	61.63
MW-21	1	58.50	59.17	59.17	58.61	4.17	3.50[c]	55.11[c]
	2	58.50	59.17	59.17	58.75	-32.83	0.00[c]	58.75[c]
	3	58.50	59.17	59.17	58.80	-95.83	1.50[c]	57.30[c]
	4	58.50	59.17	59.17	58.80	-150.83	1.75[c]	57.05[c]
	5	58.50	59.17	59.17	58.76	-205.83	0.00[c]	58.76[c]
	6	58.50	59.17	59.17	58.82	-373.83	0.00[c]	58.82[c]
	7	58.50	59.17	59.17	58.72	-430.83	0.00[c]	58.72[c]
	8	58.50	59.17	59.17	58.82	-450.83	0.00[c]	58.82[c]
MW-22	1	68.52	69.28	69.28	68.74	19.28	6.75	61.99
	2	68.52	69.28	69.28	68.70	-60.72	6.70	62.00
	3	68.52	69.28	69.28	68.70	-145.72	6.40	62.30
	4	68.52	69.28	69.28	68.66	-240.72	5.81	62.85

Table 4-1 Synoptic Water Level Measurements

Well ID	Port (#)	PVC Elevation (ft amsl)[a]	Casing Elevation (ft amsl)[a]	Ground Surface Elevation (ft amsl)[a]	Measuring Point Elevation (ft amsl)[a,b]	Center of Port Elevation (ft amsl)[a]	3 June 2019 Synoptic Gauging	
							Depth to Water (ft bgs)	Water Level Elevation (ft amsl)[a]
MW-23	1	69.68	70.43	70.43	69.93	5.43	13.33	56.60
	2	69.68	70.43	70.43	69.81	-54.57	16.29	53.52
	3	69.68	70.43	70.43	69.96	-104.57	15.89	54.07
	4	69.68	70.43	70.43	69.96	-160.57	12.87	57.09
	5	69.68	70.43	70.43	69.94	-192.57	13.00	56.94
	6	69.68	70.43	70.43	69.97	-250.57	16.54	53.43
	7	69.68	70.43	70.43	69.97	-284.57	15.33	54.64
	8	69.68	70.43	70.43	69.94	-340.57	18.45	51.49
	9	69.68	70.43	70.43	69.92	-378.57	9.14	60.78
MW-24	1	66.57	67.10	67.08	66.67	-22.92	14.01	52.66
	2	66.57	67.10	67.08	66.61	-72.92	13.01	53.60
	3	66.57	67.10	67.08	66.65	-177.92	11.20	55.45
	4	66.57	67.10	67.08	66.67	-269.92	11.09	55.58
	5	66.57	67.10	67.08	66.64	-307.92	10.13	56.51
	6	66.57	67.10	67.08	66.65	-392.92	10.60	56.05
MW-25	1	68.22	68.92	66.58	68.37	-23.42	14.69	53.68
	2	68.22	68.92	66.58	68.36	-113.42	12.53	55.83
	3	68.22	68.92	66.58	68.37	-138.42	12.40	55.97
	4	68.22	68.92	66.58	68.37	-213.42	12.18	56.19
	5	68.22	68.92	66.58	68.37	-283.42	13.08	55.29
	6	68.22	68.92	66.58	68.37	-373.42	18.29	50.08
MW-26	1	68.43	69.20	69.18	68.57	-30.82	8.19	60.38
	2	68.43	69.20	69.18	68.62	-110.82	9.16	59.46
	3	68.43	69.20	69.18	68.57	-190.82	5.94	62.63
	4	68.43	69.20	69.18	68.57	-243.32	7.14	61.43
	5	68.43	69.20	69.18	68.53	-320.82	6.84	61.69
	6	68.43	69.20	69.18	68.53	-390.82	5.59	62.94
MW-27	1	68.23	69.04	69.03	68.28	-20.97	8.38	59.90
	2	68.23	69.04	69.03	68.26	-115.97	5.98	62.28
	3	68.23	69.04	69.03	68.28	-160.97	5.79	62.49
	4	68.23	69.04	69.03	68.24	-305.97	4.70	63.54
	5	68.23	69.04	69.03	68.29	-395.97	4.50	63.79
FPW	1	71.61	72.76	72.76	72.01	36.43	9.71	62.30
	2	71.61	72.76	72.76	72.01	23.93	8.59	63.42
	3	71.61	72.76	72.76	72.06	-32.57	8.42	63.64
	4	71.61	72.76	72.76	72.01	-57.57	6.01[c]	66.00[c,d]
	5	71.61	72.76	72.76	72.03	-112.57	9.36	62.67
	6	71.61	72.76	72.76	72.06	-130.07	8.44	63.62
	7	71.61	72.76	72.76	72.11	-167.57	9.38	62.73
	8	71.61	72.76	72.76	72.13	-200.57	9.42	62.71
	9	71.61	72.76	72.76	72.13	-232.57	9.19	62.94
ERT-1	1	69.84	70.35	70.35	69.99	43.97	6.59	63.40
	2	69.84	70.35	70.35	69.97	32.47	7.78	62.19
	3	69.84	70.35	70.35	70.00	19.47	7.76	62.24
	4	69.84	70.35	70.35	69.95	8.97	7.73	62.22
	5	69.84	70.35	70.35	70.02	-1.53	7.73	62.29
	6	69.84	70.35	70.35	70.03	-32.03	7.58	62.45
	7	69.84	70.35	70.35	70.02	-44.03	7.55	62.47
	8	69.84	70.35	70.35	70.04	-67.03	7.46	62.58
ERT-2	1	80.36	80.99	80.99	80.47	50.99	17.32	63.15
	2	80.36	80.99	80.99	80.47	35.99	18.12	62.35
	3	80.36	80.99	80.99	80.49	24.49	17.59	62.90
	4	80.36	80.99	80.99	80.47	8.49	Not gauged[e]	Not gauged[e]
	5	80.36	80.99	80.99	80.45	-21.01	0.00[c]	80.45[c,d]
	6	80.36	80.99	80.99	80.45	-37.01	11.65[c]	68.80[c,d]
	7	80.36	80.99	80.99	80.45	-51.01	15.90[c]	64.55[c,d]
ERT-3	1	68.69	69.10	65.84	68.91	33.84	8.59	60.32
	2	68.69	69.10	65.84	68.87	5.84	9.49	59.38
	3	68.69	69.10	65.84	68.88	-31.66	9.44	59.44
	4	68.69	69.10	65.84	68.91	-49.16	9.18	59.73
	5	68.69	69.10	65.84	68.87	-63.16	6.98	61.89
	6	68.69	69.10	65.84	68.87	-77.16	7.20	61.67
ERT-4	1	61.77	62.43	59.21	62.23	27.21	4.48	57.75
	2	61.77	62.43	59.21	62.22	8.21	3.32	58.90
	3	61.77	62.43	59.21	62.26	-4.29	3.20	59.06
	4	61.77	62.43	59.21	62.19	-26.29	2.75	59.44
	5	61.77	62.43	59.21	62.11	-39.29	3.29	58.82
	6	61.77	62.43	59.21	62.15	-54.29	3.23	58.92
	7	61.77	62.43	59.21	62.15	-73.79	3.12	59.03
ERT-5	1	69.03	69.72	69.72	69.17	40.72	0.62[c]	68.55[c,d]
	2	69.03	69.72	69.72	69.17	27.72	8.31	60.86
	3	69.03	69.72	69.72	69.16	14.72	6.59	62.57
	4	69.03	69.72	69.72	69.15	-12.28	6.55	62.60
	5	69.03	69.72	69.72	69.18	-25.78	6.28	62.90
	6	69.03	69.72	69.72	69.20	-55.28	7.19	62.01
ERT-6	1	67.52	68.04	65.49	67.84	34.49	7.64	60.20
	2	67.52	68.04	65.49	67.86	-14.51	6.98	60.88
	3	67.52	68.04	65.49	67.84	-32.51	6.98	60.86
	4	67.52	68.04	65.49	67.85	-46.51	7.39	60.46
	5	67.52	68.04	65.49	67.85	-67.51	6.89	60.96

Table 4-1 Synoptic Water Level Measurements

Well ID	Port (#)	PVC Elevation (ft amsl)[a]	Casing Elevation (ft amsl)[a]	Ground Surface Elevation (ft amsl)[a]	Measuring Point Elevation (ft amsl)[a,b]	Center of Port Elevation (ft amsl)[a]	3 June 2019 Synoptic Gauging	
							Depth to Water (ft bgs)	Water Level Elevation (ft amsl)[a]
ERT-7	1	80.19	81.00	81.00	80.46	51.00	10.96	69.50[c,d]
	2	80.19	81.00	81.00	80.40	31.00	16.90	63.50[c]
	3	80.19	81.00	81.00	80.42	11.00	15.22	65.20[c]
	4	80.19	81.00	81.00	80.45	-24	6.10[c]	74.35[c,d]
	5	80.19	81.00	81.00	80.48	-54	0.00[c]	80.48[c,d]
ERT-8	1	82.74	83.36	83.36	82.90	61.36	Not gauged[e]	Not gauged[e]
	2	82.74	83.36	83.36	82.93	47.36	19.14	63.79
	3	82.74	83.36	83.36	82.90	34.36	19.13	63.77
	4	82.74	83.36	83.36	82.86	23.86	19.17	63.69
	5	82.74	83.36	83.36	82.82	-8.64	Not gauged[e]	Not gauged[e]
	6	82.74	83.36	83.36	82.90	-26.14	19.13	63.77
	7	82.74	83.36	83.36	82.90	-56.64	19.23	63.67

a. Vertical values are referenced to the North American Vertical Datum of 1988 (NAVD 88).
b. For monitoring wells, the measuring point is the top of PVC casing. For multilevel wells, the measuring point is the top of the port fitting.
c. Field notes indicated flooding in the well vault. Leaky port caps may have allowed standing well vault water into the port, affecting initial gauging measurements.
d. Value not included in evaluating potentiometric surface due to inconsistent measurements.
e. Water level indicator probe would not fit down well port.
Notes:
ft amsl = Feet above mean sea level
ft bgs = Feet below ground surface

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Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-ERT1-1-S19	LTM03-ERT1-2-S19	LTM03-ERT1-3-S19	FD061019	LTM03-ERT1-4-S19	LTM03-ERT1-5-S19	LTM03-ERT1-6-S19	LTM03-ERT1-7-S19	LTM03-ERT1-8-S19	LTM03-ERT2-1-S19	LTM03-ERT2-2-S19	LTM03-ERT2-4-S19	LTM03-ERT2-5-S19
		Location ID	ERT1-1	ERT1-2	ERT1-3	ERT1-3	ERT1-4	ERT1-5	ERT1-6	ERT1-7	ERT1-8	ERT2-1	ERT2-2	ERT2-4	ERT2-5
		Depth (ft)	24-29	33-43	46-56	46-56	59-64	67-77	100-105	112-117	135-140	25-35	40-50	70-75	97-107
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
1,1,2-Trichloroethane	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	**0.17 J**	< 2.5 U
1,1-Dichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.13 J**	< 0.50 U	**0.14 J**	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
1,1-Dichloroethene	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.12 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.10 J-**	< 5.0 U	< 0.50 U	< 2.5 U
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.1 J**	**0.34 J**	< 2.5 U
2-Butanone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	**6.0**	< 50 U	< 5.0 U	< 25 U
Acetone	NA	µg/L	< 5.0 U	< 5.0 U	**1.5 J**	< 5.0 U	**3.0 J**	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 50 U	< 5.0 U	< 25 U
Benzene	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.081 J**	< 5.0 U	< 0.50 U	< 2.5 U
Carbon Disulfide	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Carbon Tetrachloride	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	**0.096 J+**	< 2.5 U
Chlorobenzene	50	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	**0.059 J**	< 2.5 U
Chloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Chloroform	70	µg/L	**0.064 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.050 J**	**0.069 J**	**0.049 J**	**0.047 J**	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Chloromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Cis-1,2-Dichloroethene	70	µg/L	**0.54**	**0.45 J**	**0.28 J**	**0.28 J**	**0.35 J**	**0.45 J**	**0.65**	**0.81**	**1.9**	**8.3 J-**	**5.0**	**9.6**	**39**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Methyl tert-Butyl Ether	70	µg/L	**0.22 J**	< 0.50 U	< 0.50 U	< 0.50 U	**0.26 J**	**0.31 J**	**0.70**	**1.4**	**5.4**	**280**	**4.8 J**	**1.9 J+**	< 2.5 U
Methylcyclohexane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Methylene Chloride	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Tetrachloroethene	1	µg/L	**1.1**	**0.38 J**	**0.098 J**	**0.10 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.1**	**1.3 J**	**0.36 J**	**0.47 J**
Toluene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Trans-1,2-Dichloroethene	100	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.11 J-**	< 5.0 U	**0.090 J**	< 2.5 U
Trichloroethene	1	µg/L	**1.1**	**0.87**	**0.67**	**0.71**	**0.63**	**0.65**	**0.70**	**0.77**	**1.5**	**200**	**470**	**56**	**220**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	**0.085 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 2.5 U
Vinyl Chloride	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**3.0**	< 5.0 U	**1.3**	< 2.5 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-ERT2-6-S19	LTM03-ERT2-7-S19	LTM03-ERT3-1-S19	LTM03-ERT3-2-S19	LTM03-ERT3-3-S19	LTM03-ERT3-5-S19	LTM03-ERT3-6-S19	LTM03-ERT4-1-S19	LTM03-ERT4-2-S19	FD061219-2	LTM03-ERT4-3-S19	LTM03-ERT4-4-S19	LTM03-ERT4-5-S19
		Location ID	ERT2-6	ERT2-7	ERT3-1	ERT3-2	ERT3-3	ERT3-5	ERT3-6	ERT4-1	ERT4-2	ERT4-2	ERT4-3	ERT4-4	ERT4-5
		Depth (ft)	113-123	127-137	27-37	55-65	90-105	124-134	138-148	27-37	46-56	46-56	61-66	83-88	91-106
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/12/2019	6/12/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/7/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.13 J**	**0.098 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	**0.47 J**	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.55**	**0.43 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.22 J**	**0.23 J**
1,1-Dichloroethane	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.68**	**0.58**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.28 J**	**0.24 J**
1,1-Dichloroethene	1	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	**0.16 J**	**0.50**	**0.35 J**	**0.28 J**	**0.17 J**	**0.16 J**	**0.21 J**	**0.73**	**0.24 J**
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-Butanone	NA	µg/L	< 5.0 U	< 50 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 50 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Disulfide	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	**0.16 J**	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.15 J**	**0.12 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.34 J**	**0.45 J**
Chlorobenzene	50	µg/L	< 0.50 U	**0.48 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroethane	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloromethane	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**13**	**98**	**0.091 J**	**0.32 J**	**11**	**280**	**230**	**12**	**9.7**	**8.7**	**8.3**	**25**	**31**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	**0.25 J**	**0.38 J**	**0.26 J**	**0.26 J**	**0.27 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylcyclohexane	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**0.74**	**3.3 J**	< 0.50 U	**0.14 J**	**0.10 J**	**5.2**	**4.1**	**0.25 J**	**0.24 J**	**0.26 J**	**0.33 J**	**2.0**	**1.9**
Toluene	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	**0.13 J**	**0.86 J**	< 0.50 U	< 0.50 U	**0.075 J**	**2.2**	**1.7**	**0.17 J**	**0.16 J**	**0.17 J**	**0.11 J**	**0.66**	**1.6**
Trichloroethene	1	µg/L	**52**	**660**	**0.067 J**	**0.32 J**	**26**	**36**	**26**	**23**	**16**	**14**	**19**	**10**	**14**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 5.0 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	1	µg/L	**1.9**	**1.9 J**	< 0.50 U	< 0.50 U	< 0.50 U	**0.41 J**	< 0.50 U	**0.43 J**	**1.0**	**1.1**	**0.34 J**	**0.36 J**	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-ERT4-6-S19	LTM03-ERT4-7-S19	LTM03-ERT5-1-S19	LTM03-ERT5-2-S19	LTM03-ERT5-3-S19	LTM03-ERT5-4-S19	LTM03-ERT5-5-S19	LTM03-ERT5-6-S19	LTM03-ERT6-1-S19	LTM03-ERT6-2-S19	LTM03-ERT6-3-S19	LTM03-ERT6-4-S19	LTM03-ERT6-5-S19
		Location ID	ERT4-6	ERT4-7	ERT5-1	ERT5-2	ERT5-3	ERT5-4	ERT5-5	ERT5-6	ERT6-1	ERT6-2	ERT6-3	ERT6-4	ERT6-5
		Depth (ft)	111-116	128-138	24-34	37-47	50-60	77-87	93-98	120-130	26-36	75-85	93-103	107-117	128-138
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/12/2019	6/12/2019	6/4/2019	6/4/2019	6/4/2019	6/4/2019	6/4/2019	6/4/2019	6/4/2019	6/4/2019	6/4/2019	6/4/2019	6/4/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	**0.16 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	NA	µg/L	**0.23 J**	**0.079 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethene	1	µg/L	**0.20 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.12 J**	**0.21 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 0.50 U	**0.068 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-Butanone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	**0.095 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Disulfide	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	**0.60**	**0.21 J**	< 0.50 U	< 0.50 U	**0.21 J**	**0.48 J**	**0.41 J**	**0.23 J**	< 0.50 U	< 0.50 U	< 0.50 U	**0.046 J**	**0.057 J**
Chlorobenzene	50	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**29**	**11**	< 0.50 U	< 0.50 U	**0.36 J**	**0.098 J**	**0.67**	**2.1**	**1.6**	**0.64**	**0.15 J**	**0.91**	**1.3**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	< 0.50 U	< 0.50 U	**0.25 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylcyclohexane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**1.2**	**0.93**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.18 J**	**0.54**	< 0.50 U	< 0.50 U	**0.039 J**	**0.23 J**	**0.39 J**
Toluene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	**0.61**	**0.48 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.063 J**
Trichloroethene	1	µg/L	**18**	**11**	< 0.50 U	**0.072 J**	**0.61**	**0.50**	**3.0**	**8.6**	**0.089 J**	**0.16 J**	**0.16 J**	**0.61**	**1.9**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	1	µg/L	**0.46 J**	**0.89**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
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N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
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Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-ERT7-1-S19	LTM03-ERT7-2-S19	LTM03-ERT7-3-S19	LTM03-ERT7-4-S19	FD060619	LTM03-ERT7-5-S19	LTM03-ERT8-1-S19	LTM03-ERT8-2-S19	LTM03-ERT8-3-S19	LTM03-ERT8-5-S19	LTM03-ERT8-6-S19	LTM03-ERT8-7-S19	LTM03-FPW-1-S19
		Location ID	ERT7-1	ERT7-2	ERT7-3	ERT7-4	ERT7-4	ERT7-5	ERT8-1	ERT8-2	ERT8-3	ERT8-5	ERT8-6	ERT8-7	FPW-1
		Depth (ft)	25-35	45-55	65-75	100-110	100-110	130-140	17-27	31-41	44-54	87-97	107-112	135-145	31-41
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
1,1,2-Trichloroethane	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
1,1-Dichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.8 J**
1,1-Dichloroethene	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.5 J**
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
2-Butanone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 50 U
Acetone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 50 U
Benzene	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Carbon Disulfide	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Carbon Tetrachloride	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Chlorobenzene	50	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.035 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Chloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Chloroform	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Chloromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Cis-1,2-Dichloroethene	70	µg/L	< 0.50 U	**0.45 J**	**0.15 J**	**0.69**	**0.66**	**3.8**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**660**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Methyl tert-Butyl Ether	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Methylcyclohexane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Methylene Chloride	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Tetrachloroethene	1	µg/L	**0.32 J**	**0.19 J**	**0.22 J**	**0.055 J**	**0.061 J**	**1.9**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Toluene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Trans-1,2-Dichloroethene	100	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**12**
Trichloroethene	1	µg/L	**0.075 J**	**0.18 J**	**0.77**	**4.5**	**5.5**	**5.8**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.41 J**	**1.1 J**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U
Vinyl Chloride	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**260**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-FPW-2-S19	LTM03-FPW-3-S19	LTM03-FPW-4-S19	LTM03-FPW-5-S19	LTM03-FPW-6-S19	LTM03-FPW-7-S19	LTM03-FPW-8-S19	LTM03-FPW-9-S19	LTM03-MW01A-SH-S19	LTM03-MW02A-SH-S19	LTM03-MW03-SH-S19	LTM03-MW04-SH-S19
		Location ID	FPW-2	FPW-3	FPW-4	FPW-5	FPW-6	FPW-7	FPW-8	FPW-9	MW01A	MW02A	MW03	MW04
		Depth (ft)	46-51	100-110	125-135	180-190	200-205	235-245	268-278	300-310	24-49	24-49	17-32	29-49
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/10/2019	6/12/2019	6/11/2019
Analyte	**Project Action Limit (µg/L)**	**Units**												
Volatile Organic Compounds														
1,1,1-Trichloroethane	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	**0.065 J**	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
1,1,2-Trichloroethane	3	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	**20 J**	< 100 U
1,1-Dichloroethane	NA	µg/L	**15**	< 50 U	**1.0 J**	**1.4**	**0.65**	**0.93 J**	**1.2**	**0.64**	**0.74 J**	< 0.50 U	< 50 U	< 100 U
1,1-Dichloroethene	1	µg/L	**41**	**11 J**	**3.2**	**2.6**	**0.32 J**	**2.0 J**	**2.9**	**1.5**	**2.2 J**	< 0.50 U	**19 J**	< 100 UJ
1,2,3-Trichlorobenzene	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	**0.42 J**	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
1,2,4-Trichlorobenzene	9	µg/L	**10**	< 50 U	**8.4**	**1.9**	**0.31 J**	**0.49 J**	< 0.50 U	< 0.50 U	**2.5**	< 0.50 U	**81**	< 100 U
1,2-Dichlorobenzene	NA	µg/L	**1.4 J**	< 50 U	**0.46 J**	**0.30 J**	< 0.50 U	< 2.5 U	**0.097 J**	< 0.50 U	**1.2 J**	< 0.50 U	**7.5 J**	< 100 U
1,2-Dichloroethane	2	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
1,3-Dichlorobenzene	NA	µg/L	**0.77 J**	< 50 U	**0.73 J**	**0.46 J**	**0.14 J**	< 2.5 U	< 0.50 U	< 0.50 U	**0.85 J**	< 0.50 U	< 50 U	< 100 U
1,4-Dichlorobenzene	75	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	**15 J**	< 100 U
2-Butanone	NA	µg/L	< 50 U	< 500 U	< 25 U	< 5.0 U	< 5.0 U	< 25 U	< 5.0 U	< 5.0 U	< 25 U	< 5.0 U	< 500 U	< 1,000 U
Acetone	NA	µg/L	< 50 U	< 500 U	< 25 U	< 5.0 U	< 5.0 U	< 25 U	< 5.0 U	< 5.0 U	< 25 U	**4.7 J**	< 500 U	< 1,000 U
Benzene	1	µg/L	< 5.0 U	< 50 U	< 2.5 U	**0.11 J**	**0.14 J**	< 2.5 U	**0.093 J**	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Carbon Disulfide	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	**0.19 J**	< 50 U	< 100 U
Carbon Tetrachloride	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Chlorobenzene	50	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	**7.5 J**	< 100 U
Chloroethane	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Chloroform	70	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Chloromethane	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Cis-1,2-Dichloroethene	70	µg/L	**850**	**2,900**	**470**	**75**	**49**	**80**	**80**	**50**	**560**	**0.51**	**9,800**	**12,000 J**
Cis-1,3-Dichloropropene	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Methyl tert-Butyl Ether	70	µg/L	< 5.0 U	< 50 U	**5.4**	**10**	**0.82 J+**	< 2.5 U	**12**	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Methylcyclohexane	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Methylene Chloride	3	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Tetrachloroethene	1	µg/L	**30**	**9.5 J**	**2.6**	**1.2**	< 0.50 U	**0.44 J**	**0.76**	**0.47 J**	**0.24 J**	< 0.50 U	**12 J**	**7.5 J**
Toluene	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Trans-1,2-Dichloroethene	100	µg/L	**7.7**	**25 J**	**3.3**	**1.0**	**1.3**	**0.90 J**	**1.5**	**0.49 J**	**3.9**	< 0.50 U	**300**	**1,500 J-**
Trichloroethene	1	µg/L	**510**	**6,200**	**480**	**29**	**1.7**	**28**	**41**	**23**	**340**	**0.40 J**	**6,600**	**9,900 J**
Trichlorofluoromethane	NA	µg/L	< 5.0 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 2.5 U	< 0.50 U	< 50 U	< 100 U
Vinyl Chloride	1	µg/L	**11**	**46 J**	**85**	**25**	**47**	**130**	**67**	**48**	**45**	**0.28 J**	**41 J**	< 100 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-MW05-SH-S19	LTM03-MW06-SH-S19	FD061119	LTM03-MW07-SH-S19	LTM03-MW08-SH-S19	LTM03-MW09-SH-S19	LTM03-MW10-SH-S19	LTM03-MW11-SH-S19	LTM03-MW12-SH-S19	LTM03-MW13-1-S19	LTM03-MW13-2-S19	LTM03-MW13-3-S19
		Location ID	MW05	MW06	MW06	MW07	MW08	MW09	MW10	MW11	MW12	MW13-1	MW13-2	MW13-3
		Depth (ft)	25-45.5	29-44	29-44	43-58	42-57.5	29-54	37-52	34-59	35-60	18-28	35-45	63-73
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/10/2019	6/11/2019	6/11/2019	6/11/2019	6/10/2019	6/10/2019	6/10/2019	6/11/2019	6/11/2019	6/5/2019	6/5/2019	6/5/2019
Analyte	**Project Action Limit (µg/L)**	**Units**												
Volatile Organic Compounds														
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	**0.57**
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	< 0.50 U	**13 J**	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	**19 J**	< 2.5 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	**0.87 J**	**0.65**	**2.0**
1,1-Dichloroethene	1	µg/L	**0.21 J**	< 50 U	< 50 U	< 50 U	< 100 U	**0.12 J**	< 0.50 U	< 2500 UJ	**18 J**	**5.0**	**2.4**	**12 J+**
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	**270**	< 2.5 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	**2.5**	< 50 U	< 50 U	< 50 U	**170**	**1.2**	< 0.50 U	**610 J**	**1,100**	< 2.5 U	< 0.50 U	**0.23 J**
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 50 U	< 50 U	**8.3 J**	< 100 U	**4.5**	< 0.50 U	< 2,500 U	**59**	< 2.5 U	< 0.50 U	**0.082 J**
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	**0.76**
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	**3.4**	< 0.50 U	< 2,500 U	**59**	< 2.5 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	**39**	< 0.50 U	< 2,500 U	**110**	< 2.5 U	< 0.50 U	**0.11 J**
2-Butanone	NA	µg/L	< 5.0 U	< 500 U	< 500 U	< 500 U	< 1,000 U	< 5.0 U	< 5.0 U	< 25,000 U	< 500 U	< 25 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 500 U	< 500 U	< 500 U	< 1,000 U	**2.9 J**	**1.8 J**	< 25,000 U	< 500 U	< 25 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	**0.32 J**	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	**0.070 J**	**0.10 J**
Carbon Disulfide	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	**62**	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	**0.085 J**	**0.16 J**
Chloroethane	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	**0.073 J**	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Chloromethane	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	**0.22 J**	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**4.2**	**6,000**	**6,300**	**2,000**	**8,700**	**10**	**0.18 J**	**400,000 J-**	**11,000**	**120**	**140**	**250**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	**0.46 J**	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	**2.1 J**	**1.9**	**4.4**
Methylcyclohexane	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**3.5**	**1,300**	**1,300**	**6.0 J**	< 100 U	**40**	**0.15 J**	< 2,500 U	**11 J**	**0.20 J**	**0.21 J**	**1.5**
Toluene	NA	µg/L	**0.037 J**	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2,500 U	< 50 U	**0.39 J**	**0.094 J**	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	**0.064 J**	**980**	**840**	**6.8 J**	**180**	**0.56**	< 0.50 U	**1,100 J-**	**77**	**0.40 J**	**0.25 J**	**0.63 J+**
Trichloroethene	1	µg/L	**15**	**3,700**	**3,800**	**5,400**	**17,000**	**32**	**0.52**	**110,000**	**8,000**	**42**	**60**	**130**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 50 U	< 50 U	< 50 U	< 100 U	< 0.50 U	< 0.50 U	< 2500 U	< 50 U	< 2.5 U	< 0.50 U	< 0.50 U
Vinyl Chloride	1	µg/L	< 0.50 U	< 50 U	< 50 U	**380**	< 100 U	**0.24 J**	< 0.50 U	**800 J**	**55**	< 2.5 U	**0.43 J**	**2.1**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

Sample Name			LTM03-MW13-4-S19	FD060519-3	LTM03-MW13-5-S19	LTM03-MW13-6-S19	LTM03-MW13-7-S19	LTM03-MW14D-1-S19	LTM03-MW14D-2-S19	FD061219-1	LTM03-MW14D-3-S19	LTM03-MW14S-2-S19	LTM03-MW14S-3-S19	LTM03-MW15D-1-S19	LTM03-MW15D-2-S19
Location ID			MW13-4	MW13-4	MW13-5	MW13-6	MW13-7	MW14D-1	MW14D-2	MW14D-2	MW14D-3	MW14S-2	MW14S-3	MW15D-1	MW15D-2
Depth (ft)			95-105	95-105	115-125	150-160	230-240	80-85	123-133	123-133	199-209	41-46	55-60	125-135	185-195
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Date			6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/10/2019	6/10/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	**0.78**	**0.64**	**0.13 J**	**0.16 J**	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	NA	µg/L	**2.0**	**1.9**	**1.2**	**2.0**	**1.3**	< 5.0 U	**0.47 J**	< 5.0 U	**0.44 J**	< 1,000 U	< 500 U	**0.19 J**	**0.32 J**
1,1-Dichloroethene	1	µg/L	**13 J+**	**11 J+**	**5.4**	**12 J+**	**5.2**	**1.5 J**	**0.76**	**1.4 J**	**0.62**	**270 J-**	**190 J**	**0.12 J**	**0.59**
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	**30**	**36**	**9.1**	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	**0.35 J**	**0.29 J**	< 0.50 U	< 0.50 U	< 0.50 U	**32**	**83**	**98**	**31**	**380 J**	**210 J**	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	**0.081 J**	< 0.50 U	**0.15 J**	< 0.50 U	**9.0**	**9.6**	**9.1**	**3.7**	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	**0.87**	**0.82**	**0.80**	**1.1**	**0.37 J**	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**54**	**41**	**52**	**24 J**	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	**0.11 J**	**0.10 J**	< 0.50 U	**0.066 J**	< 0.50 U	**77**	**87**	**110**	**26**	< 1,000 U	**89 J**	< 0.50 U	< 0.50 U
2-Butanone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 50 U	< 5.0 U	< 50 U	< 5.0 U	< 10,000 U	< 5,000 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 50 U	< 5.0 U	< 50 U	< 5.0 U	< 10,000 U	< 5,000 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	**0.085 J**	**0.085 J**	**0.074 J**	**0.11 J**	**0.19 J**	**2.6 J**	**3.1**	**3.4 J**	**1.7**	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Carbon Disulfide	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	**0.11 J**	**0.11 J**	**0.089 J**	**0.25 J**	**0.14 J**	**550**	**460 J**	**640**	**440**	< 1,000 U	< 500 U	**0.11 J**	**0.075 J**
Chloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	**0.17 J**	**0.098 J**
Chloromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**250**	**230**	**200**	**88**	**61**	**790**	**22**	**31**	**24 J**	**260,000 J-**	**91,000**	**6.3**	**16**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	**4.7**	**4.6**	**5.1**	**6.3**	**6.4**	< 5.0 U	**1.1**	< 5.0 U	**0.56**	< 1,000 U	< 500 U	< 0.50 U	**0.35 J**
Methylcyclohexane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.0 J**	**0.11 J**	< 5.0 U	**0.13 J**	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	< 0.50 U	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**1.7**	**1.5**	**0.69**	**1.6**	**0.77**	< 5.0 U	**1.4**	**1.5 J**	**0.17 J**	< 1,000 U	< 500 U	**1.8**	**0.59**
Toluene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	**0.59**	< 1,000 U	< 500 U	< 0.50 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	**0.56 J+**	**0.68 J+**	**0.46 J**	**0.38 J+**	**0.46 J**	**15**	**0.41 J**	< 5.0 U	**0.34 J**	**1,200 J-**	**580**	**0.24 J**	**0.30 J**
Trichloroethene	1	µg/L	**140**	**130**	**120**	**66**	**56**	**66**	**18**	**18**	**9.1**	**190,000**	**41,000**	**1.9**	**16**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U	< 5.0 U	**0.080 J**	< 1000 U	< 500 U	**0.15 J**	**0.18 J**
Vinyl Chloride	1	µg/L	**2.1**	**1.8**	**1.3**	**1.1**	**0.38 J**	**49**	**1.3**	< 5.0 U	< 0.50 U	**910 J**	**570**	< 0.50 U	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-MW15S-1-S19	LTM03-MW15S-2-S19	LTM03-MW16-1-S19	LTM03-MW16-2-S19	LTM03-MW16-3-S19	LTM03-MW16-4-S19	LTM03-MW16-5-S19	LTM03-MW16-6-S19	LTM03-MW16-7-S19	LTM03-MW17-1-S19	LTM03-MW17-2-S19	LTM03-MW17-3-S19	LTM03-MW18-1-S19
		Location ID	MW15S-1	MW15S-2	MW16-1	MW16-2	MW16-3	MW16-4	MW16-5	MW16-6	MW16-7	MW17-1	MW17-2	MW17-3	MW18-1
		Depth (ft)	30-40	70-80	20-30	40-50	85-95	108-118	135-145	170-180	195-205	170-180	205-215	235-245	160-170
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/10/2019	6/10/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/12/2019	6/12/2019	6/12/2019	6/4/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	**0.16 J**	< 5.0 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	**1.9 J**	< 10 U	**0.26 J**	< 2.5 U	**0.22 J**	< 0.50 U	< 5.0 U	< 0.50 U
1,1-Dichloroethane	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	**0.74 J**	< 25 U	< 10 U	< 10 U	**0.44 J**	**1.0 J**	**0.26 J**	**0.26 J**	< 5.0 U	< 0.50 U
1,1-Dichloroethene	1	µg/L	< 50 U	**0.21 J**	**1.2 J**	**1.9 J**	**11 J**	**4.0 J**	**3.8 J**	**0.63**	**4.8**	**0.14 J**	**0.17 J**	**1.5 J**	**0.34 J**
1,2,3-Trichlorobenzene	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	**56**	**0.43 J**	**0.73 J**	**0.67 J**	< 25 U	**4.9 J**	< 10 U	**0.18 J**	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 50 U	< 0.50 U	**0.76 J**	**0.54 J**	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 50 U	**0.16 J**	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
2-Butanone	NA	µg/L	< 500 U	< 5.0 U	< 25 U	< 25 U	< 250 U	< 100 U	< 100 U	< 5.0 U	< 25 U	< 5.0 U	< 5.0 U	< 50 U	< 5.0 U
Acetone	NA	µg/L	< 500 U	**1.6 J**	< 25 U	< 25 U	< 250 U	< 100 U	< 100 U	< 5.0 U	< 25 U	< 5.0 U	< 5.0 U	< 50 U	< 5.0 U
Benzene	1	µg/L	< 50 U	< 0.50 U	< 2.5 U	**0.28 J**	< 25 U	< 10 U	< 10 U	**0.17 J**	< 2.5 U	**0.086 J**	**0.083 J**	< 5.0 U	**0.11 J**
Carbon Disulfide	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	**2.8 J**	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Chlorobenzene	50	µg/L	< 50 U	**0.074 J**	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	**0.087 J**	**0.060 J**	< 5.0 U	**0.16 J**
Chloroethane	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Chloroform	70	µg/L	< 50 U	**0.086 J**	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Chloromethane	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**3,200**	**68**	**260**	**420**	**470**	**740**	**850**	**150 J**	**550**	**97**	**79**	**540**	**1.9**
Cis-1,3-Dichloropropene	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	**0.73**	**3.9**	**0.96**	**0.84**	**6.6**	< 0.50 U
Methylcyclohexane	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Methylene Chloride	3	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Tetrachloroethene	1	µg/L	< 50 U	**4.3**	**0.18 J**	**0.19 J**	**8.4 J**	**4.7 J**	**3.0 J**	**1.7**	**3.7**	**2.1**	**0.93**	**0.45 J**	**0.55**
Toluene	NA	µg/L	< 50 U	**0.063 J**	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	< 0.50 U	< 2.5 U	< 0.50 U	< 0.50 U	< 5.0 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	**23 J**	**2.3**	**6.8**	**4.2**	**5.2 J**	**7.5 J**	**11**	**6.6**	**3.8**	**1.2**	**0.98**	**2.4 J**	< 0.50 U
Trichloroethene	1	µg/L	**6,800**	**55**	**330**	**460**	**2700**	**3,000**	**2,000**	**66 J**	**450**	**19**	**20**	**780**	**7.6 J**
Trichlorofluoromethane	NA	µg/L	< 50 U	< 0.50 U	< 2.5 U	< 2.5 U	< 25 U	< 10 U	< 10 U	**0.80**	< 2.5 U	**0.90**	**2.1**	< 5.0 U	< 0.50 U
Vinyl Chloride	1	µg/L	< 50 U	**15**	**7.0**	**8.9**	< 25 U	**10**	**14**	**1.8**	< 2.5 U	**15**	**5.9**	**80**	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-MW18-2-S19	LTM03-MW19-1-S19	LTM03-MW19-2-S19	LTM03-MW19-3-S19	LTM03-MW19-4-S19	LTM03-MW19-5-S19	LTM03-MW19-6-S19	LTM03-MW19-7-S19	FD060519-2	LTM03-MW20-1-S19	LTM03-MW20-2-S19	LTM03-MW20-3-S19	LTM03-MW20-4-S19
		Location ID	MW18-2	MW19-1	MW19-2	MW19-3	MW19-4	MW19-5	MW19-6	MW19-7	MW19-7	MW20-1	MW20-2	MW20-3	MW20-4
		Depth (ft)	210-220	65-75	132-142	200-210	257-267	367-377	480-490	545-555	545-555	25-35	85-95	125-135	175-185
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/4/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	**0.23 J**	**0.43 J**	**0.28 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.16 J**	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.14 J**	**0.18 J**	**0.13 J**
1,1-Dichloroethane	NA	µg/L	< 0.50 U	**0.31 J**	**0.48 J**	**0.44 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.15 J**	**0.18 J**	**0.19 J**
1,1-Dichloroethene	1	µg/L	**0.53**	**4.9**	**8.6**	**3.8**	**0.21 J**	**0.096 J**	< 0.50 U	< 0.50 U	< 0.50 U	**0.87**	**1.2**	**1.3**	**1.5**
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-Butanone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	< 0.50 U	**0.057 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.21 J**	< 0.50 U	< 0.50 U	**0.074 J**
Carbon Disulfide	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	**0.048 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.061 J**
Chlorobenzene	50	µg/L	< 0.50 U	**0.10 J**	< 0.50 U	**0.13 J**	**0.13 J**	**0.10 J**	< 0.50 U	**0.076 J**	**0.079 J**	**0.095 J**	**0.069 J**	**0.038 J**	**0.10 J**
Chloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**3.5**	**4.0**	**3.2**	**4.8**	**1.4**	**0.94**	< 0.50 U	< 0.50 U	< 0.50 U	**150**	**120**	**95**	**300**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.26 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	**0.21 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**2.1**	**0.77**	**0.28 J**	**0.41 J**
Methylcyclohexane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**0.87**	**1.7**	**5.1**	**2.0**	**0.036 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.045 J**	**2.0**	**1.7**	**0.85**
Toluene	NA	µg/L	< 0.50 U	**0.058 J**	< 0.50 U	< 0.50 U	< 0.50 U	**0.041 J**	**0.13 J**	**0.22 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	**0.077 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**2.2**	**0.75**	**0.75**	**4.0**
Trichloroethene	1	µg/L	**59 J**	**5.4**	**42**	**40**	**2.4**	**8.6 J**	**0.086 J**	< 0.50 UJ	< 0.50 U	**5.3**	**140**	**240**	**140**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	**0.21 J**	**0.26 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	FD060519-1	LTM03-MW20-5-S19	LTM03-MW20-6-S19	LTM03-MW20-7-S19	LTM03-MW20-8-S19	LTM03-MW21-1-S19	LTM03-MW21-2-S19	LTM03-MW21-3-S19	LTM03-MW21-4-S19	LTM03-MW21-5-S19	LTM03-MW21-6-S19	LTM03-MW21-7-S19
		Location ID	MW20-4	MW20-5	MS20-6	MW20-7	MW20-8	MW21-1	MW21-2	MW21-3	MW21-4	MW21-5	MW21-6	MW21-7
		Depth (ft)	175-185	205-215	250-260	297-307	355-365	50-60	87-97	150-160	205-215	260-270	428-438	485-495
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/5/2019	6/12/2019	6/21/2019	6/5/2019	6/5/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019
Analyte	**Project Action Limit (µg/L)**	**Units**												
Volatile Organic Compounds														
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	**0.092 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	**0.12 J**	< 2.5 U	< 2.5 U	**0.49 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	NA	µg/L	**0.20 J**	< 2.5 U	< 2.5 U	**0.49 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethene	1	µg/L	**1.5**	**1.8 J**	**1.6 J**	**0.23 J**	**0.59**	**0.29 J**	**0.12 J**	**0.14 J**	**0.16 J**	< 0.50 U	< 0.50 U	< 0.50 U
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-Butanone	NA	µg/L	< 5.0 U	< 25 U	< 25 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 25 U	< 25 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	**0.073 J**	< 2.5 U	< 2.5 U	< 0.50 U	**0.16 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Disulfide	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	**0.059 J**	< 2.5 U	< 2.5 U	**0.21 J**	**0.090 J**	< 0.50 U	< 0.50 U	**0.065 J**	**0.060 J**	< 0.50 U	< 0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	**0.10 J**	< 2.5 U	< 2.5 U	**0.039 J**	**0.13 J**	**0.10 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroethane	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	< 0.50 U	**0.21 J**	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloromethane	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**310**	**330**	**250**	**110**	**38**	**32**	**37**	**34**	**40**	**11**	**2.1**	**1.7**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	**0.38 J**	< 2.5 U	< 2.5 U	**0.22 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylcyclohexane	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**0.77**	**0.23 J**	**0.56 J**	**3.6**	**0.59**	**0.36 J**	**0.15 J**	**0.38 J**	**0.42 J**	**0.12 J**	< 0.50 U	< 0.50 U
Toluene	NA	µg/L	< 0.50 U	**0.20 J**	< 2.5 U	< 0.50 U	**0.038 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	**2.6**	**5.6**	**0.81 J**	**1.8**	**0.44 J**	**2.9**	**1.1**	**1.3**	**3.0**	**0.15 J**	< 0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**150**	**170**	**420**	**31**	**280**	**27**	**18**	**18**	**17**	**7.2**	**8.9**	**2.5**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	**0.082 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	1	µg/L	< 0.50 U	< 2.5 U	< 2.5 U	< 0.50 U	< 0.50 U	**1.0**	**0.50**	**0.96**	**1.0**	< 0.50 U	**0.52**	**0.72**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
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N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-MW21-8-S19	LTM03-MW22-1-S19	LTM03-MW22-2-S19	LTM03-MW22-3-S19	LTM03-MW22-4-S19	LTM03-MW23-1-S19	LTM03-MW23-2-S19	LTM03-MW23-3-S19	LTM03-MW23-4-S19	LTM03-MW23-5-S19	LTM03-MW23-6-S19	LTM03-MW23-7-S19	LTM03-MW23-8-S19
		Location ID	MW21-8	MW22-1	MW22-2	MW22-3	MW22-4	MW23-1	MW23-2	MW23-3	MW23-4	MW23-5	MW23-6	MW23-7	MW23-8
		Depth (ft)	505-515	45-55	125-135	210-220	305-315	60-70	120-130	170-180	226-236	258-268	316-326	350-360	406-416
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/12/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	**0.54**	**0.26 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	**1.0**	**1.7**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.16 J**	**0.18 J**	< 0.50 U
1,1-Dichloroethene	1	µg/L	< 0.50 U	< 0.50 U	**0.26 J**	**6.4**	**10 J+**	< 0.50 U	**0.27 J**	< 0.50 U	< 0.50 U	**0.45 J**	**0.67**	**1.7**	**0.36 J**
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	**0.40 J**	**0.76**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-Butanone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.18 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Disulfide	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.087 J**	< 0.50 U
Chlorobenzene	50	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	**0.073 J**	**0.33 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.083 J**	< 0.50 U	**0.057 J**
Chloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.30 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.50**	**0.50**	< 0.50 U
Chloromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**0.51**	**0.54**	**4.6**	**100**	**220**	**0.21 J**	**1.8**	**8.8**	**2.7**	**5.5**	**11**	**13**	**12**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	< 0.50 U	< 0.50 U	**26**	**0.20 J**	**0.28 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylcyclohexane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	**0.16 J**	**0.63**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	< 0.50 U	< 0.50 U	**0.12 J**	**0.15 J**	**0.060 J**	< 0.50 U	< 0.50 U	**0.77**	**0.48 J**	**0.45 J**	**0.13 J**	**0.30 J**	**0.12 J**
Toluene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	**0.33 J**	**0.60 J+**	< 0.50 U	< 0.50 U	**0.12 J**	< 0.50 U	< 0.50 U	**0.073 J**	**0.10 J**	< 0.50 U
Trichloroethene	1	µg/L	**5.8**	< 0.50 U	**1.1**	**28**	**9.9**	**0.073 J**	**6.5**	**6.2**	**0.94**	**18**	**17**	**42**	**12**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-MW23-9-S19	LTM03-MW24-1-S19	LTM03-MW24-2-S19	LTM03-MW24-3-S19	LTM03-MW24-4-S19	LTM03-MW24-5-S19	LTM03-MW24-6-S19	LTM03-MW25-1-S19	LTM03-MW25-2-S19	LTM03-MW25-3-S19	LTM03-MW25-4-S19	LTM03-MW25-5-S19	LTM03-MW25-6-S19
		Location ID	MW23-9	MW24-1	MW24-2	MW24-3	MW24-4	MW24-5	MW24-6	MW25-1	MW25-2	MW25-3	MW25-4	MW25-5	MW25-6
		Depth (ft)	444-454	85-95	135-145	240-250	332-342	370-380	455-465	85-95	175-185	200-210	275-285	345-355	435-445
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/6/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019
Analyte	**Project Action Limit (µg/L)**	**Units**													
Volatile Organic Compounds															
1,1,1-Trichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	**0.22 J**	**0.35 J**	**0.061 J**	< 0.50 U	< 0.50 U	**0.077 J**	**0.10 J**	< 0.50 U	< 0.50 U	**0.067 J**	**0.21 J**
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	NA	µg/L	< 0.50 U	< 0.50 U	**0.18 J**	**0.18 J**	< 0.50 U	< 0.50 U	< 0.50 U	**0.14 J**	**0.31 J**	**0.17 J**	**0.14 J**	**0.21 J**	**1.0**
1,1-Dichloroethene	1	µg/L	**0.55**	**0.11 J**	**2.8**	**4.9**	**0.96**	**0.23 J**	< 0.50 U	**0.37 J**	**0.62**	**0.33 J**	**0.64**	**0.32 J**	**0.69**
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-Butanone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	< 0.50 U	**0.12 J**	**0.15 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.12 J**	< 0.50 U
Carbon Disulfide	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.069 J**	**0.082 J**	< 0.50 U	**0.054 J**	**0.061 J**	**0.29 J**
Chlorobenzene	50	µg/L	**0.053 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**1.1**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**29**	< 0.50 U	**0.45 J**	**0.49 J**	**0.28 J**	**0.21 J**	**0.28 J**	**1.5**	**3.7**	**2.8**	**5.5**	**1.4**	**15**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	**0.17 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylcyclohexane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**0.31 J**	**0.50**	**6.8**	**0.30 J**	**0.10 J**	**0.043 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.11 J**	< 0.50 U	**0.049 J**
Toluene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	**0.19 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.065 J**	< 0.50 U	**0.090 J**	< 0.50 U	**1.1**
Trichloroethene	1	µg/L	**170**	**0.081 J**	**6.4**	**3.2**	**1.5**	**1.5**	**3.9**	**0.99**	**2.1**	**1.4**	**16**	**1.5**	**6.8**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 0.50 U	**0.15 J**	**0.32 J**	**0.24 J**	**0.20 J**	**0.10 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2a Spring 2019 Volatile Organic Compound Groundwater Analytical Results

		Sample Name	LTM03-MW26-1-S19	LTM03-MW26-2-S19	LTM03-MW26-3-S19	LTM03-MW26-4-S19	LTM03-MW26-5-S19	LTM03-MW26-6-S19	LTM03-MW27-1-S19	LTM03-MW27-2-S19	LTM03-MW27-3-S19	LTM03-MW27-4-S19	LTM03-MW27-5-S19
		Location ID	MW26-1	MW26-2	MW26-3	MW26-4	MW26-5	MW26-6	MW27-1	MW27-2	MW27-3	MW27-4	MW27-5
		Depth (ft)	95-105	175-185	255-265	305-320	385-395	455-465	85-95	180-190	225-235	370-380	460-470
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019
Analyte	**Project Action Limit (µg/L)**	**Units**											
Volatile Organic Compounds													
1,1,1-Trichloroethane	NA	µg/L	**0.19 J**	**0.094 J**	**0.067 J**	< 0.50 U	< 0.50 U	< 0.50 U	**0.13 J**	< 0.50 U	**0.17 J**	**0.13 J**	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	NA	µg/L	**0.65**	**0.30 J**	**0.25 J**	**0.30 J**	< 0.50 U	< 0.50 U	**0.43 J**	< 0.50 U	**0.91**	**0.39 J**	< 0.50 U
1,1-Dichloroethene	1	µg/L	**1.5**	**1.0**	**1.6**	**1.8**	**0.72**	**0.30 J**	**1.2**	**0.26 J**	**4.7**	**1.7**	**0.33 J**
1,2,3-Trichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.62**	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	75	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-Butanone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	**2.3 J**	< 5.0 U	< 5.0 U	< 5.0 U
Benzene	1	µg/L	< 0.50 U	**0.099 J**	< 0.50 U	**0.066 J**	**0.077 J**	< 0.50 U	**0.15 J**	< 0.50 U	**0.20 J**	**0.14 J**	**0.067 J**
Carbon Disulfide	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	NA	µg/L	**0.23 J**	**0.14 J**	**0.10 J**	**0.094 J**	< 0.50 U	< 0.50 U	**0.23 J**	< 0.50 U	**0.081 J**	**0.12 J**	**0.059 J**
Chlorobenzene	50	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.050 J**	**0.038 J**
Chloroethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**3.6**	**0.64**	**1.3**	**0.97**	**0.18 J**
Chloromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,2-Dichloroethene	70	µg/L	**9.1**	**8.8**	**3.3**	**5.7**	**0.28 J**	**0.14 J**	**15**	**4.3**	**44**	**7.3**	**2.1**
Cis-1,3-Dichloropropene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylcyclohexane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**0.070 J**	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.047 J**	< 0.50 U	**0.17 J**	**0.046 J**	< 0.50 U
Toluene	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.12 J**	< 0.50 U	< 0.50 U
Trans-1,2-Dichloroethene	100	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.31 J**	**0.062 J**	**0.61**	**0.11 J**	< 0.50 U
Trichloroethene	1	µg/L	**6.0**	**5.2**	**5.2**	**6.2**	**1.4**	**0.47 J**	**5.9**	**2.1**	**23**	**6.1**	**0.23 J**
Trichlorofluoromethane	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = Micrograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Only those VOCs detected at one or more locations are presented.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

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Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-ERT1-1-S19	LTM03-ERT1-2-S19	LTM03-ERT1-3-S19	FD061019	LTM03-ERT1-4-S19	LTM03-ERT1-5-S19	LTM03-ERT1-6-S19	LTM03-ERT1-7-S19	LTM03-ERT1-8-S19	LTM03-ERT2-1-S19
		Location ID	ERT1-1	ERT1-2	ERT1-3	ERT1-3	ERT1-4	ERT1-5	ERT1-6	ERT1-7	ERT1-8	ERT2-1
		Depth (ft)	24-29	33-43	46-56	46-56	59-64	67-77	100-105	112-117	135-140	25-35
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/10/2019	6/12/2019
Analyte	**Project Action Limit (µg/L)**	**Units**										
PCBs												
Aroclor 1242	NA	µg/L	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 UJ	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor 1254	0.5	µg/L	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 UJ	< 0.20 UJ	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Total PCB Aroclors	0.5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides												
4,4-DDD	0.1	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.054 UJ	< 0.053 U	< 0.051 U	< 0.054 U	< 0.050 U
4,4-DDE	0.1	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.054 UJ	< 0.053 U	< 0.051 U	< 0.054 U	< 0.050 U
4,4-DDT	0.1	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.054 UJ	< 0.053 U	< 0.051 U	< 0.054 U	< 0.050 U
Aldrin	NA	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Alpha-BHC	0.02	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	**0.00070 J**	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Alpha-Chlordane	NA	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Beta-BHC	0.04	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Delta-BHC	NA	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Dieldrin	0.03	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.054 UJ	< 0.053 U	< 0.051 U	< 0.054 U	< 0.050 U
Endosulfan I	NA	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Endosulfan II	40	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.054 UJ	< 0.053 U	< 0.051 U	< 0.054 U	< 0.050 U
Endosulfan Sulfate	40	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.054 UJ	< 0.053 U	< 0.051 U	< 0.054 U	< 0.050 U
Endrin	NA	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.054 UJ	< 0.053 U	< 0.051 U	< 0.054 U	< 0.050 U
Endrin Aldehyde	NA	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	**0.0051 J**	**0.013 J**	< 0.054 UJ	**0.0077 J**	**0.020 J**	**0.020 J**	**0.010 J**
Endrin Ketone	NA	µg/L	< 0.051 U	< 0.052 U	< 0.051 U	< 0.051 UJ	< 0.051 UJ	< 0.054 UJ	< 0.053 U	< 0.051 U	< 0.054 U	< 0.050 U
Gamma-BHC (Lindane)	0.03	µg/L	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Gamma-Chlordane	0.5	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	**0.0027 J**
Heptachlor	0.05	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Heptachlor Epoxide	0.2	µg/L	< 0.030 U	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.032 UJ	< 0.032 U	< 0.030 U	< 0.033 U	< 0.030 U
Methoxychlor	40	µg/L	< 0.25 U	< 0.26 U	< 0.25 U	< 0.25 UJ	< 0.25 UJ	< 0.27 UJ	< 0.26 U	< 0.25 U	< 0.27 U	< 0.25 U
Toxaphene	NA	µg/L	< 2.5 U	< 2.6 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.7 UJ	< 2.6 U	< 2.5 U	< 2.7 U	< 2.5 U
Total Metals												
Aluminum	50	µg/L	--	--	--	--	--	--	--	--	--	**89.2**
Arsenic	3	µg/L	--	--	--	--	--	--	--	--	--	**2.1**
Barium	2000	µg/L	--	--	--	--	--	--	--	--	--	**8,270**
Cadmium	4	µg/L	--	--	--	--	--	--	--	--	--	**0.12 J**
Calcium	NA	µg/L	--	--	--	--	--	--	--	--	--	**663,000**
Chromium	70	µg/L	--	--	--	--	--	--	--	--	--	**0.22 J**
Cobalt	NA	µg/L	--	--	--	--	--	--	--	--	--	**0.48 J**
Copper	NA	µg/L	--	--	--	--	--	--	--	--	--	**7.0**
Iron	300	µg/L	--	--	--	--	--	--	--	--	--	**2,710**
Lead	5	µg/L	--	--	--	--	--	--	--	--	--	**3.2**
Magnesium	NA	µg/L	--	--	--	--	--	--	--	--	--	**54,800**
Manganese	50	µg/L	--	--	--	--	--	--	--	--	--	**156**
Nickel	NA	µg/L	--	--	--	--	--	--	--	--	--	**1.1**
Potassium	NA	µg/L	--	--	--	--	--	--	--	--	--	**3,470**
Selenium	NA	µg/L	--	--	--	--	--	--	--	--	--	< 5.0 U
Sodium	NA	µg/L	--	--	--	--	--	--	--	--	--	**68,300**
Vanadium	NA	µg/L	--	--	--	--	--	--	--	--	--	**1.4 J**
Zinc	NA	µg/L	--	--	--	--	--	--	--	--	--	**71.9 J**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-ERT2-2-S19	LTM03-ERT2-4-S19	LTM03-ERT2-5-S19	LTM03-ERT2-6-S19	LTM03-ERT2-7-S19	LTM03-ERT3-3-S19	LTM03-ERT5-6-S19	LTM03-ERT6-5-S19	LTM03-ERT7-1-S19	LTM03-ERT7-2-S19
		Location ID	ERT2-2	ERT2-3	ERT2-5	ERT2-6	ERT2-7	ERT3-3	ERT-5-6	ERT6-5	ERT7-1	ERT7-2
		Depth (ft)	40-50	70-75	97-107	113-123	127-137	90-105	120-130	128-138	25-35	45-55
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/4/2019	6/4/2019	6/6/2019	6/6/2019
Analyte	**Project Action Limit (µg/L)**	**Units**										
PCBs												
Aroclor 1242	NA	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.22 U	< 0.21 U	< 0.21 U
Aroclor 1254	0.5	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 U	< 0.22 U	< 0.21 U	< 0.21 U
Total PCB Aroclors	0.5	µg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pesticides												
4,4-DDD	0.1	µg/L	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	--	--	--	--	--
4,4-DDE	0.1	µg/L	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	--	--	--	--	--
4,4-DDT	0.1	µg/L	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	--	--	--	--	--
Aldrin	NA	µg/L	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	--	--	--	--
Alpha-BHC	0.02	µg/L	< 0.030 U	< 0.030 UJ	< 0.030 U	< 0.030 U	< 0.030 U	--	--	--	--	--
Alpha-Chlordane	NA	µg/L	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	--	--	--	--
Beta-BHC	0.04	µg/L	< 0.030 U	**0.0069 J**	< 0.030 U	< 0.030 U	**0.0064 J**	--	--	--	--	--
Delta-BHC	NA	µg/L	< 0.030 U	< 0.030 U	**0.0013 J**	< 0.030 U	< 0.030 U	--	--	--	--	--
Dieldrin	0.03	µg/L	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	**0.023 J**	--	--	--	--	--
Endosulfan I	NA	µg/L	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	--	--	--	--
Endosulfan II	40	µg/L	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	--	--	--	--	--
Endosulfan Sulfate	40	µg/L	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	--	--	--	--	--
Endrin	NA	µg/L	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	--	--	--	--	--
Endrin Aldehyde	NA	µg/L	< 0.050 U	**0.0048 J**	< 0.050 U	< 0.050 U	< 0.050 U	--	--	--	--	--
Endrin Ketone	NA	µg/L	< 0.050 U	< 0.050 U	< 0.050 U	< 0.050 U	**0.0023 J**	--	--	--	--	--
Gamma-BHC (Lindane)	0.03	µg/L	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	--	--	--	--
Gamma-Chlordane	0.5	µg/L	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	**0.0013 J**	--	--	--	--	--
Heptachlor	0.05	µg/L	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	--	--	--	--
Heptachlor Epoxide	0.2	µg/L	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	--	--	--	--
Methoxychlor	40	µg/L	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	--	--	--	--	--
Toxaphene	NA	µg/L	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	--	--	--	--
Total Metals												
Aluminum	50	µg/L	**125**	--	--	--	--	--	--	--	--	--
Arsenic	3	µg/L	< 1.0 U	--	--	--	--	--	--	--	--	--
Barium	2000	µg/L	**1990**	--	--	--	--	--	--	--	--	--
Cadmium	4	µg/L	< 1.0 U	--	--	--	--	--	--	--	--	--
Calcium	NA	µg/L	**291,000**	--	--	--	--	--	--	--	--	--
Chromium	70	µg/L	**0.21 J**	--	--	--	--	--	--	--	--	--
Cobalt	NA	µg/L	**0.19 J**	--	--	--	--	--	--	--	--	--
Copper	NA	µg/L	**6.8**	--	--	--	--	--	--	--	--	--
Iron	300	µg/L	**1,160**	--	--	--	--	--	--	--	--	--
Lead	5	µg/L	**6.1**	--	--	--	--	--	--	--	--	--
Magnesium	NA	µg/L	**31500**	--	--	--	--	--	--	--	--	--
Manganese	50	µg/L	**2.4**	--	--	--	--	--	--	--	--	--
Nickel	NA	µg/L	**0.80 J**	--	--	--	--	--	--	--	--	--
Potassium	NA	µg/L	**2,030**	--	--	--	--	--	--	--	--	--
Selenium	NA	µg/L	< 5.0 U	--	--	--	--	--	--	--	--	--
Sodium	NA	µg/L	**39,300**	--	--	--	--	--	--	--	--	--
Vanadium	NA	µg/L	**2.7 J**	--	--	--	--	--	--	--	--	--
Zinc	NA	µg/L	**126 J**	--	--	--	--	--	--	--	--	--

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-ERT7-3-S19	LTM03-ERT7-4-S19	FD060619	LTM03-ERT7-5-S19	LTM03-FPW-1-S19	LTM03-FPW-2-S19	LTM03-FPW-3-S19	LTM03-FPW-4-S19	LTM03-FPW-5-S19	LTM03-FPW-6-S19
		Location ID	ERT7-3	ERT7-4	ERT7-4	ERT7-5	FPW-1	FPW-2	FPW-3	FPW-4	FPW-5	FPW-6
		Depth (ft)	65-75	100-110	100-110	130-140	31-41	46-51	100-110	125-135	180-190	200-205
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/6/2019	6/6/2019	6/6/2019	6/6/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019
Analyte	**Project Action Limit (µg/L)**	**Units**										
PCBs												
Aroclor 1242	NA	µg/L	< 0.21 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	**0.61**	**0.35**	**0.12 J**	< 0.20 U	< 0.20 U
Aroclor 1254	0.5	µg/L	< 0.21 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Total PCB Aroclors	0.5	µg/L	ND	ND	ND	ND	ND	**0.61**	**0.35**	**0.12**	ND	ND
Pesticides												
4,4-DDD	0.1	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	< 0.056 U	< 0.051 U
4,4-DDE	0.1	µg/L	--	--	--	--	**0.00080 J**	< 0.050 UJ	< 0.052 U	< 0.051 U	**0.0011 J**	**0.0027 J**
4,4-DDT	0.1	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	< 0.056 U	**0.013 J**
Aldrin	NA	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Alpha-BHC	0.02	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Alpha-Chlordane	NA	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Beta-BHC	0.04	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Delta-BHC	NA	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Dieldrin	0.03	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	< 0.056 U	< 0.051 U
Endosulfan I	NA	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Endosulfan II	40	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	< 0.056 U	< 0.051 U
Endosulfan Sulfate	40	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	**0.0021 J**	< 0.051 U
Endrin	NA	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	< 0.056 U	< 0.051 U
Endrin Aldehyde	NA	µg/L	--	--	--	--	**0.061**	< 0.050 UJ	**0.013 J**	**0.086**	< 0.056 U	**0.046 J**
Endrin Ketone	NA	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.052 U	< 0.051 U	< 0.056 U	< 0.051 U
Gamma-BHC (Lindane)	0.03	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Gamma-Chlordane	0.5	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Heptachlor	0.05	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	**0.0074 J**	< 0.030 U	**0.0050 J**	**0.0020 J**
Heptachlor Epoxide	0.2	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.031 U	< 0.030 U	< 0.033 U	< 0.031 U
Methoxychlor	40	µg/L	--	--	--	--	< 0.25 U	< 0.25 UJ	< 0.26 U	< 0.25 U	< 0.28 U	**0.0094 J**
Toxaphene	NA	µg/L	--	--	--	--	< 2.5 U	< 2.5 UJ	< 2.6 U	< 2.5 U	< 2.8 U	< 2.6 U
Total Metals												
Aluminum	50	µg/L	< 20.0 U	--	--	**282**	--	--	--	--	--	--
Arsenic	3	µg/L	**1.3**	--	--	**3.3**	--	--	--	--	--	--
Barium	2000	µg/L	**844**	--	--	**103**	--	--	--	--	--	--
Cadmium	4	µg/L	< 1.0 U	--	--	< 1.0 U	--	--	--	--	--	--
Calcium	NA	µg/L	**57,600**	--	--	**49,400**	--	--	--	--	--	--
Chromium	70	µg/L	< 2.0 U	--	--	< 2.0 U	--	--	--	--	--	--
Cobalt	NA	µg/L	< 1.0 U	--	--	**0.64 J**	--	--	--	--	--	--
Copper	NA	µg/L	**6.1**	--	--	**70.6**	--	--	--	--	--	--
Iron	300	µg/L	< 200 U	--	--	**742**	--	--	--	--	--	--
Lead	5	µg/L	**2.4**	--	--	**11.4**	--	--	--	--	--	--
Magnesium	NA	µg/L	**15,400**	--	--	**17,100**	--	--	--	--	--	--
Manganese	50	µg/L	**1.3**	--	--	**85.8**	--	--	--	--	--	--
Nickel	NA	µg/L	**0.43 J**	--	--	**7.5**	--	--	--	--	--	--
Potassium	NA	µg/L	**1250**	--	--	**1920**	--	--	--	--	--	--
Selenium	NA	µg/L	< 5.0 U	--	--	< 5.0 U	--	--	--	--	--	--
Sodium	NA	µg/L	**11,200**	--	--	**20,100**	--	--	--	--	--	--
Vanadium	NA	µg/L	**5.9**	--	--	**7.8 J**	--	--	--	--	--	--
Zinc	NA	µg/L	**29.0 J**	--	--	**126**	--	--	--	--	--	--

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-FPW-7-S19	LTM03-FPW-8-S19	LTM03-FPW-9-S19	LTM03-MW01A-SH-S19	LTM03-MW02A-SH-S19	LTM03-MW03-SH-S19	LTM03-MW04-SH-S19	LTM03-MW05-SH-S19	LTM03-MW05-SH-S19	LTM03-MW06-SH-S19
		Location ID	FPW-7	FPW-8	FPW-9	MW01A	MW02A	MW03	MW04	MW05	MW05	MW06
		Depth (ft)	235-245	268-278	300-310	24-49	24-49	17-32	29-49	25-45.5	25-45.5	29-44
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/10/2019	6/12/2019	6/11/2019	6/10/2019	6/12/2019	6/11/2019
Analyte	**Project Action Limit (µg/L)**	**Units**										
PCBs												
Aroclor 1242	NA	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	**0.29 J**	< 0.20 UJ	**4.1**	**4.2**	< 0.20 U	--	**29 J**
Aroclor 1254	0.5	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 UJ	< 0.20 UJ	**1.0**	**1.2**	**0.93**	--	< 1.0 UJ
Total PCB Aroclors	0.5	µg/L	ND	ND	ND	**0.29**	ND	**5.1**	**5.4**	**0.93**	--	**29**
Pesticides												
4,4-DDD	0.1	µg/L	< 0.051 U	< 0.051 U	< 0.050 UJ	**0.0025 J**	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	--	< 0.050 UJ
4,4-DDE	0.1	µg/L	**0.0014 J**	**0.0011 J**	< 0.050 UJ	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	--	< 0.050 UJ
4,4-DDT	0.1	µg/L	< 0.051 U	< 0.051 U	< 0.050 UJ	**0.0024 J**	< 0.050 U	**0.074 NJ**	**0.0046 J**	**0.050 J**	--	**0.044 J**
Aldrin	NA	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 U	< 0.030 U	**0.054 NJ**	< 0.030 U	--	< 0.030 UJ
Alpha-BHC	0.02	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	< 0.030 UJ
Alpha-Chlordane	NA	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	< 0.030 UJ
Beta-BHC	0.04	µg/L	< 0.031 U	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 U	**0.11 NJ**	**0.22 J**	< 0.030 U	--	< 0.030 UJ
Delta-BHC	NA	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	**0.0020 J**	< 0.030 U	< 0.030 U	< 0.030 U	--	< 0.030 UJ
Dieldrin	0.03	µg/L	< 0.051 U	< 0.051 U	< 0.050 UJ	< 0.050 UJ	< 0.050 U	**0.076**	**0.075**	**0.061**	--	**0.038 J**
Endosulfan I	NA	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 U	< 0.030 U	**0.0047 J**	< 0.030 U	--	< 0.030 UJ
Endosulfan II	40	µg/L	< 0.051 U	< 0.051 U	< 0.050 UJ	< 0.050 UJ	**0.0039 J**	**1.7**	< 0.051 U	< 0.051 U	--	< 0.050 UJ
Endosulfan Sulfate	40	µg/L	< 0.051 U	< 0.051 U	< 0.050 UJ	< 0.050 UJ	< 0.050 U	**0.0021 J**	< 0.051 U	< 0.051 U	--	< 0.050 UJ
Endrin	NA	µg/L	< 0.051 U	< 0.051 U	< 0.050 UJ	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	--	< 0.050 UJ
Endrin Aldehyde	NA	µg/L	< 0.051 U	**0.089**	< 0.050 UJ	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	--	< 0.050 UJ
Endrin Ketone	NA	µg/L	< 0.051 U	< 0.051 U	< 0.050 UJ	< 0.050 UJ	< 0.050 U	< 0.051 U	< 0.051 U	< 0.051 U	--	< 0.050 UJ
Gamma-BHC (Lindane)	0.03	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	**0.0036 J**	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	**R**
Gamma-Chlordane	0.5	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 U	**0.075**	< 0.030 U	< 0.030 U	--	< 0.030 UJ
Heptachlor	0.05	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 U	**0.070 NJ**	**0.050 NJ**	< 0.030 U	--	< 0.030 UJ
Heptachlor Epoxide	0.2	µg/L	< 0.031 U	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 U	< 0.030 U	< 0.030 U	< 0.030 U	--	< 0.030 UJ
Methoxychlor	40	µg/L	< 0.26 U	< 0.25 U	< 0.25 UJ	< 0.25 UJ	< 0.25 U	< 0.25 U	< 0.25 U	< 0.25 U	--	< 0.25 UJ
Toxaphene	NA	µg/L	< 2.6 U	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 U	< 2.5 U	< 2.5 U	< 2.5 U	--	< 2.5 UJ
Total Metals												
Aluminum	50	µg/L	< 20.0 U	--	< 20.0 U	--	--	**309**	**306**	--	**24.3**	**772**
Arsenic	3	µg/L	**5.7**	--	**2.4**	--	--	**1.2**	**1.2**	--	**2.4**	< 1.0 U
Barium	2000	µg/L	**80.8**	--	**45.2**	--	--	**147**	**180**	--	**41.6**	**78.3**
Cadmium	4	µg/L	< 1.0 U	--	< 1.0 U	--	--	**0.29 J**	< 1.0 U	--	< 1.0 U	**0.29 J**
Calcium	NA	µg/L	**42,000**	--	**48,100**	--	--	**112,000**	**86,400**	--	**11,800**	**200,000**
Chromium	70	µg/L	< 2.0 U	--	**0.44 J**	--	--	**0.91 J**	**16.1**	--	**6.4**	**5.1**
Cobalt	NA	µg/L	**0.060 J**	--	**0.040 J**	--	--	**0.65 J**	**0.68 J**	--	**0.13 J**	**1.6**
Copper	NA	µg/L	< 2.0 U	--	**4.7**	--	--	**2.9**	**5.2**	--	**3.8**	**8.3**
Iron	300	µg/L	< 200 U	--	< 200 U	--	--	**1,670**	**932**	--	< 200 U	**2,600**
Lead	5	µg/L	**1.3**	--	**4.5**	--	--	**2.1**	**1.1**	--	< 1.0 U	**1.4**
Magnesium	NA	µg/L	**22700**	--	**27200**	--	--	**25,000**	**21,400**	--	**17,200**	**19,900**
Manganese	50	µg/L	**128**	--	**22.7**	--	--	**278**	**633**	--	**166**	**143**
Nickel	NA	µg/L	**0.34 J**	--	**0.20 J**	--	--	**3.4**	**4.9**	--	**3.5**	**8.2**
Potassium	NA	µg/L	**1,470**	--	**1,550**	--	--	**2430**	**1770**	--	**3,540**	**2,450**
Selenium	NA	µg/L	< 5.0 U	--	< 5.0 U	--	--	**0.85 J**	< 5.0 U	--	< 5.0 U	< 5.0 U
Sodium	NA	µg/L	**12,400**	--	**14,900**	--	--	**30,100**	**14,300**	--	**49,700**	**40,300**
Vanadium	NA	µg/L	**10.1**	--	**5.9**	--	--	**12.7**	**4.7 J**	--	**15.1**	**6.1**
Zinc	NA	µg/L	**14.9 J**	--	**40.9 J**	--	--	**394**	**176**	--	**585**	**5130**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	FD061119	LTM03-MW07-SH-S19	LTM03-MW08-SH-S19	LTM03-MW09-SH-S19	LTM03-MW10-SH-S19	LTM03-MW11-SH-S19	LTM03-MW12-SH-S19	LTM03-MW13-3-S19	LTM03-MW13-4-S19	FD060519-3
		Location ID	MW06	MW07	MW08	MW09	MW10	MW11	MW12	MW13-3	MW13-4	MW13-4
		Depth (ft)	29-44	43-58	42-57.5	29-54	37-52	34-59	35-60	63-73	95-105	95-105
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/11/2019	6/11/2019	6/10/2019	6/10/2019	6/10/2019	6/11/2019	6/11/2019	6/5/2019	6/5/2019	6/5/2019
Analyte	**Project Action Limit (µg/L)**	**Units**										
PCBs												
Aroclor 1242	NA	µg/L	**25**	**0.55**	**8.5 J**	**0.46 J**	< 0.20 UJ	**20**	**50**	--	--	--
Aroclor 1254	0.5	µg/L	< 1.0 U	< 0.20 U	< 0.20 UJ	< 0.20 UJ	< 0.20 UJ	**8.4**	< 1.0 U	--	--	--
Total PCB Aroclors	0.5	µg/L	**25**	**0.55**	**8.5**	**0.46**	ND	**28.4**	**50**	--	--	--
Pesticides												
4,4-DDD	0.1	µg/L	< 0.050 U	< 0.050 UJ	< 0.050 UJ	< 0.051 UJ	< 0.051 UJ	< 0.050 U	**0.0036 J**	--	--	--
4,4-DDE	0.1	µg/L	< 0.050 U	**0.0031 J**	< 0.050 UJ	**0.0011 J**	< 0.051 UJ	**0.096 NJ**	**0.072 NJ**	--	--	--
4,4-DDT	0.1	µg/L	**0.029 J**	< 0.050 UJ	< 0.050 UJ	< 0.051 UJ	< 0.051 UJ	**0.23**	**0.070**	--	--	--
Aldrin	NA	µg/L	< 0.030 U	< 0.030 UJ	**0.046 NJ**	< 0.030 UJ	< 0.030 UJ	< 0.030 U	**R**	--	--	--
Alpha-BHC	0.02	µg/L	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 U	< 0.031 U	--	--	--
Alpha-Chlordane	NA	µg/L	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	**0.083**	**0.075 J**	--	--	--
Beta-BHC	0.04	µg/L	< 0.030 U	**0.11 J**	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	**2.2**	**0.57 J**	--	--	--
Delta-BHC	NA	µg/L	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	**0.0081 J**	**0.060**	**R**	--	--	--
Dieldrin	0.03	µg/L	**0.028 J**	**0.0093 J**	**0.023 J**	< 0.051 UJ	< 0.051 UJ	< 0.050 U	**0.28 J**	--	--	--
Endosulfan I	NA	µg/L	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	**0.022 J**	< 0.031 U	--	--	--
Endosulfan II	40	µg/L	< 0.050 U	< 0.050 UJ	< 0.050 UJ	**0.013 J**	**0.0032 J**	< 0.050 U	< 0.051 U	--	--	--
Endosulfan Sulfate	40	µg/L	< 0.050 U	< 0.050 UJ	< 0.050 UJ	< 0.051 UJ	**0.0014 J**	< 0.050 U	**0.0012 J**	--	--	--
Endrin	NA	µg/L	< 0.050 U	< 0.050 UJ	< 0.050 UJ	< 0.051 UJ	< 0.051 UJ	< 0.050 U	< 0.051 U	--	--	--
Endrin Aldehyde	NA	µg/L	< 0.050 U	< 0.050 UJ	< 0.050 UJ	< 0.051 UJ	< 0.051 UJ	< 0.050 U	< 0.051 U	--	--	--
Endrin Ketone	NA	µg/L	< 0.050 U	< 0.050 UJ	< 0.050 UJ	< 0.051 UJ	< 0.051 UJ	< 0.050 U	< 0.051 U	--	--	--
Gamma-BHC (Lindane)	0.03	µg/L	**0.15 NJ**	< 0.030 UJ	**0.047 NJ**	< 0.030 UJ	< 0.030 UJ	**0.078 NJ**	**R**	--	--	--
Gamma-Chlordane	0.5	µg/L	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	**0.10 NJ**	**R**	--	--	--
Heptachlor	0.05	µg/L	< 0.030 U	< 0.030 UJ	**0.17 NJ**	< 0.030 UJ	< 0.030 UJ	**0.32 NJ**	< 0.031 U	--	--	--
Heptachlor Epoxide	0.2	µg/L	< 0.030 U	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 U	< 0.031 U	--	--	--
Methoxychlor	40	µg/L	< 0.25 U	< 0.25 UJ	< 0.25 UJ	< 0.25 UJ	< 0.25 UJ	< 0.25 U	< 0.26 U	--	--	--
Toxaphene	NA	µg/L	< 2.5 U	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 U	< 2.6 U	--	--	--
Total Metals												
Aluminum	50	µg/L	**753**	**49.7 J**	--	--	--	--	**97.5**	< 20.0 U	< 20.0 U	< 20.0 U
Arsenic	3	µg/L	< 1.0 U	< 1.0 U	--	--	--	--	< 1.0 U	**3.5**	**2.7**	**2.9**
Barium	2000	µg/L	**73.8**	**3320**	--	--	--	--	**436**	**241**	**143**	**158**
Cadmium	4	µg/L	**0.55 J**	< 1.0 U	--	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	NA	µg/L	**188,000**	**270,000**	--	--	--	--	**256,000**	**55,000**	**56,500**	**55,800**
Chromium	70	µg/L	**5.2**	**0.46 J**	--	--	--	--	**5.7**	< 2.0 U	< 2.0 U	**0.050 J**
Cobalt	NA	µg/L	**1.5**	**0.22 J**	--	--	--	--	**0.82 J**	**0.10 J**	**0.040 J**	**0.070 J**
Copper	NA	µg/L	**7.9**	< 2.0 U	--	--	--	--	**2.2**	**5.1**	**4.6**	**10.1**
Iron	300	µg/L	**2,530**	**1,120**	--	--	--	--	**2,210**	< 200 U	< 200 U	**206**
Lead	5	µg/L	**1.2**	< 1.0 U	--	--	--	--	< 1.0 U	**2.8**	**4.4**	**6.3**
Magnesium	NA	µg/L	**19,600**	**27,900**	--	--	--	--	**22,400**	**20,800**	**19,400**	**20,300**
Manganese	50	µg/L	**142**	**16.4**	--	--	--	--	**245**	**9.4**	**7.3**	**7.9**
Nickel	NA	µg/L	**8.2**	**2.1**	--	--	--	--	**18.4**	**1.6**	**0.79 J**	**1.6**
Potassium	NA	µg/L	**2,450**	**2,480**	--	--	--	--	**1,770**	**1,510**	**1,330**	**1,420**
Selenium	NA	µg/L	< 5.0 U	< 5.0 U	--	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Sodium	NA	µg/L	**40,000**	**22,500**	--	--	--	--	**53,300**	**12,300**	**12,300**	**12,700**
Vanadium	NA	µg/L	**5.9**	**1.8 J**	--	--	--	--	**4.2 J**	**6.7**	**7.1**	**7.0**
Zinc	NA	µg/L	**5,030**	**35.6 J**	--	--	--	--	**118**	**23.3**	**15.8**	**41.2**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-MW14D-1-S19	LTM03-MW14D-2-S19	FD061219-1	LTM03-MW14D-3-S19	LTM03-MW14S-2-S19	LTM03-MW14S-3-S19	LTM03-MW15D-1-S19	LTM03-MW15D-1-S19	LTM03-MW15D-2-S19	LTM03-MW15D-2-S19
		Location ID	MW14D-1	MW14D-2	MW-14D-2	MW14D-3	MW14S-2	MW14S-3	MW15D-1	MW15D-1	MW15D-2	MW15D-2
		Depth (ft)	80-85	123-133	123-133	199-209	41-46	55-60	125-135	125-135	185-195	185-195
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/10/2019	6/12/2019	6/10/2019	6/12/2019
Analyte	**Project Action Limit (µg/L)**	**Units**										
PCBs												
Aroclor 1242	NA	µg/L	**92 J**	**77 J**	**85 J**	**79 J**	**77**	**18**	< 0.20 UJ	--	< 0.20 U	--
Aroclor 1254	0.5	µg/L	**30 J**	**11 J**	**12 J**	**13 J**	**96**	**9.8**	< 0.20 UJ	--	< 0.20 U	--
Total PCB Aroclors	0.5	µg/L	**122**	**88**	**97**	**92**	**173**	**27.8**	ND	--	ND	--
Pesticides												
4,4-DDD	0.1	µg/L	< 0.050 UJ	< 0.050 UJ	**0.90 JN**	< 0.050 UJ	**0.21 JN**	< 0.050 U	< 0.052 UJ	--	< 0.051 U	--
4,4-DDE	0.1	µg/L	**0.26 JN**	**0.41 JN**	**6.1 JN**	**0.14 JN**	**1.5 JN**	**0.084 JN**	< 0.052 UJ	--	< 0.051 U	--
4,4-DDT	0.1	µg/L	**0.79 J**	**1.7 J**	**28 J**	**0.31 J**	**8.1**	**0.27**	< 0.052 UJ	--	< 0.051 U	--
Aldrin	NA	µg/L	**0.36 J**	**0.35 JN**	**R**	**0.31 J**	**R**	**0.11 JN**	< 0.031 UJ	--	< 0.030 U	--
Alpha-BHC	0.02	µg/L	< 0.030 UJ	< 0.030 UJ	< 0.30 UJ	< 0.030 UJ	< 0.060 U	< 0.030 U	< 0.031 UJ	--	< 0.030 U	--
Alpha-Chlordane	NA	µg/L	**0.36 J**	**0.67 J**	**8.1 J**	**0.23 J**	< 0.060 U	< 0.030 U	< 0.031 UJ	--	< 0.030 U	--
Beta-BHC	0.04	µg/L	**R**	**R**	< 0.30 UJ	**R**	**2.3 J**	**0.95**	< 0.031 UJ	--	< 0.030 U	--
Delta-BHC	NA	µg/L	**R**	**R**	**R**	**R**	**R**	**R**	< 0.031 UJ	--	< 0.030 U	--
Dieldrin	0.03	µg/L	**1.0 J**	**1.8 J**	**24 J**	**0.51 J**	**6.1**	**0.33**	< 0.052 UJ	--	< 0.051 U	--
Endosulfan I	NA	µg/L	**R**	**R**	**R**	**R**	**R**	< 0.030 U	< 0.031 UJ	--	< 0.030 U	--
Endosulfan II	40	µg/L	< 0.050 UJ	< 0.050 UJ	< 0.50 UJ	< 0.050 UJ	< 0.10 U	< 0.050 U	< 0.052 UJ	--	< 0.051 U	--
Endosulfan Sulfate	40	µg/L	< 0.050 UJ	**0.051 JN**	< 0.50 UJ	< 0.050 UJ	< 0.10 U	< 0.050 U	< 0.052 UJ	--	< 0.051 U	--
Endrin	NA	µg/L	**R**	**R**	**R**	< 0.050 UJ	**R**	< 0.050 U	< 0.052 UJ	--	< 0.051 U	--
Endrin Aldehyde	NA	µg/L	**0.11 J**	**0.20 J**	**2.5 J**	< 0.050 UJ	**0.74**	< 0.050 U	**0.037 J**	--	**0.076**	--
Endrin Ketone	NA	µg/L	< 0.050 UJ	< 0.050 UJ	**R**	< 0.050 UJ	**0.13 JN**	< 0.050 U	< 0.052 UJ	--	< 0.051 U	--
Gamma-BHC (Lindane)	0.03	µg/L		**R**	**R**	**R**	**R**	**R**	< 0.031 UJ	--	< 0.030 U	--
Gamma-Chlordane	0.5	µg/L	**0.24 JN**	**0.50 JN**	**7.6 JN**	**R**	**2.5 JN**	**0.096 JN**	< 0.031 UJ	--	< 0.030 U	--
Heptachlor	0.05	µg/L	< 0.030 UJ	< 0.030 UJ	< 0.30 UJ	< 0.030 UJ	< 0.060 U	< 0.030 U	**0.0031 J**	--	< 0.030 U	--
Heptachlor Epoxide	0.2	µg/L	**R**	**R**	**R**	< 0.030 UJ	**R**	< 0.030 U	< 0.031 UJ	--	< 0.030 U	--
Methoxychlor	40	µg/L	< 0.25 UJ	< 0.25 UJ	< 2.5 UJ	< 0.25 UJ	< 0.50 U	< 0.25 U	< 0.26 UJ	--	< 0.25 U	--
Toxaphene	NA	µg/L	< 2.5 UJ	< 2.5 UJ	< 25 UJ	< 2.5 UJ	< 5.0 U	< 2.5 U	< 2.6 UJ	--	< 2.5 U	--
Total Metals												
Aluminum	50	µg/L	--	--	--	--	**24.1**	< 20.0 U	--	< 20.0 U	--	< 20.0 U
Arsenic	3	µg/L	--	--	--	--	**1.3**	**1.6**	--	**2.8**	--	**2.6**
Barium	2000	µg/L	--	--	--	--	**1,100**	**822**	--	**63.9**	--	**46.8**
Cadmium	4	µg/L	--	--	--	--	< 1.0 U	< 1.0 U	--	< 1.0 U	--	< 1.0 U
Calcium	NA	µg/L	--	--	--	--	**91,200**	**98,900**	--	**55,300**	--	**56,200**
Chromium	70	µg/L	--	--	--	--	< 2.0 U	**0.040 J**	--	**1.3 J**	--	**0.25 J**
Cobalt	NA	µg/L	--	--	--	--	**0.21 J**	**0.20 J**	--	**0.040 J**	--	**0.040 J**
Copper	NA	µg/L	--	--	--	--	**3.7**	< 2.0 U	--	< 2.0 U	--	< 2.0 U
Iron	300	µg/L	--	--	--	--	**393**	**413**	--	< 200 U	--	< 200 U
Lead	5	µg/L	--	--	--	--	**2.5**	**1.7**	--	**1.3**	--	**1.4**
Magnesium	NA	µg/L	--	--	--	--	**23300**	**25700**	--	**23,900**	--	**25,400**
Manganese	50	µg/L	--	--	--	--	**523**	**776**	--	**0.94 J**	--	**1.7**
Nickel	NA	µg/L	--	--	--	--	**0.85 J**	**0.86 J**	--	**1.2**	--	**0.23 J**
Potassium	NA	µg/L	--	--	--	--	**1,900**	**1,990**	--	**1,680**	--	**1,680**
Selenium	NA	µg/L	--	--	--	--	< 5.0 U	< 5.0 U	--	< 5.0 U	--	< 5.0 U
Sodium	NA	µg/L	--	--	--	--	**18,400**	**18,000**	--	**15,500**	--	**15,400**
Vanadium	NA	µg/L	--	--	--	--	**2.4 J**	**0.99 J**	--	**7.6**	--	**6.9**
Zinc	NA	µg/L	--	--	--	--	**17.5 J**	**26.2 J**	--	**20.5**	--	**19.6**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-MW15S-1-S19	LTM03-MW15S-1-S19	LTM03-MW15S-2-S19	LTM03-MW15S-2-S19	LTM03-MW16-1-S19	LTM03-MW16-2-S19	LTM03-MW16-3-S19	LTM03-MW16-4-S19	LTM03-MW16-5-S19	LTM03-MW16-6-S19
		Location ID	MW15S-1	MW15S-1	MW15S-2	MW15S-2	MW16-1	MW16-2	MW16-3	MW16-4	MW16-5	MW16-6
		Depth (ft)	30-40	30-40	70-80	70-80	20-30	40-50	85-95	108-118	135-145	170-180
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/10/2019	6/12/2019	6/10/2019	6/12/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019	6/11/2019
Analyte	**Project Action Limit (µg/L)**	**Units**										
PCBs												
Aroclor 1242	NA	µg/L	**1.8 J**	--	**0.15 J**	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor 1254	0.5	µg/L	< 0.20 UJ	--	< 0.20 UJ	--	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Total PCB Aroclors	0.5	µg/L	**1.8**	--	**0.15**	--	ND	ND	ND	ND	ND	ND
Pesticides												
4,4-DDD	0.1	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.054 U	< 0.053 U
4,4-DDE	0.1	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	**0.00090 J**	< 0.052 U	< 0.054 U	< 0.053 U
4,4-DDT	0.1	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.054 U	< 0.053 U
Aldrin	NA	µg/L	< 0.031 UJ	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.033 U	< 0.032 U
Alpha-BHC	0.02	µg/L	**0.00080 J**	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.033 U	< 0.032 U
Alpha-Chlordane	NA	µg/L	< 0.031 UJ	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.033 U	< 0.032 U
Beta-BHC	0.04	µg/L	< 0.031 UJ	--	**0.0064 J**	--	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	**0.050**	< 0.032 U
Delta-BHC	NA	µg/L	< 0.031 UJ	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.033 U	< 0.032 U
Dieldrin	0.03	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	< 0.052 U	**0.0098 J**	< 0.054 U	< 0.053 U
Endosulfan I	NA	µg/L	< 0.031 UJ	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.033 U	< 0.032 U
Endosulfan II	40	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	**0.0097 J**	< 0.052 U	< 0.054 U	< 0.053 U
Endosulfan Sulfate	40	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.054 U	< 0.053 U
Endrin	NA	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	< 0.052 U	< 0.052 U	< 0.054 U	< 0.053 U
Endrin Aldehyde	NA	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	< 0.052 U	**0.23**	**29**	**0.30**
Endrin Ketone	NA	µg/L	< 0.051 UJ	--	< 0.051 UJ	--	< 0.051 U	< 0.051 U	< 0.052 U	**0.0021 J**	< 0.054 U	< 0.053 U
Gamma-BHC (Lindane)	0.03	µg/L	< 0.031 UJ	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	**0.0095 J**	< 0.032 U
Gamma-Chlordane	0.5	µg/L	< 0.031 UJ	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	**0.0078 J**	< 0.031 U	**0.0068 J**	< 0.032 U
Heptachlor	0.05	µg/L	< 0.031 UJ	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	**0.0099 J**	< 0.031 U	< 0.033 U	< 0.032 U
Heptachlor Epoxide	0.2	µg/L	< 0.031 UJ	--	< 0.030 UJ	--	< 0.031 U	< 0.031 U	< 0.031 U	< 0.031 U	< 0.033 U	< 0.032 U
Methoxychlor	40	µg/L	< 0.26 UJ	--	< 0.25 UJ	--	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U	< 0.27 U	< 0.27 U
Toxaphene	NA	µg/L	< 2.6 UJ	--	< 2.5 UJ	--	< 2.6 U	< 2.6 U	< 2.6 U	< 2.6 U	< 2.7 U	< 2.7 U
Total Metals												
Aluminum	50	µg/L	--	< 20.0 U	--	< 20.0 U	--	--	--	< 20.0 U	< 20.0 U	< 20.0 U
Arsenic	3	µg/L	--	< 1.0 U	--	**3.3**	--	--	--	**2.8**	**4.3**	**5.1**
Barium	2000	µg/L	--	**925**	--	**221**	--	--	--	**106**	**71.0**	**62.9**
Cadmium	4	µg/L	--	< 1.0 U	--	< 1.0 U	--	--	--	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	NA	µg/L	--	**182,000**	--	**65,800**	--	--	--	**58,600**	**55,100**	**54,300**
Chromium	70	µg/L	--	< 2.0 U	--	**2.5**	--	--	--	**0.040 J**	< 2.0 U	**0.22 J**
Cobalt	NA	µg/L	--	**0.12 J**	--	**0.040 J**	--	--	--	**0.070 J**	**0.10 J**	**0.080 J**
Copper	NA	µg/L	--	**4.9**	--	**4.1**	--	--	--	< 2.0 U	< 2.0 U	**4.8**
Iron	300	µg/L	--	**614**	--	**221**	--	--	--	**211**	< 200 U	< 200 U
Lead	5	µg/L	--	**3.8**	--	**1.8**	--	--	--	**2.6**	**2.1**	**4.7**
Magnesium	NA	µg/L	--	**19,400**	--	**23,700**	--	--	--	**28,000**	**26,800**	**25,900**
Manganese	50	µg/L	--	**11.1**	--	**4.8**	--	--	--	**23.8**	**53.1**	**29.6**
Nickel	NA	µg/L	--	**0.33 J**	--	**0.090 J**	--	--	--	**0.81 J**	**0.28 J**	**0.44 J**
Potassium	NA	µg/L	--	**1,610**	--	**1,500**	--	--	--	**1,920**	**1,860**	**1,670**
Selenium	NA	µg/L	--	**1.4 J**	--	< 5.0 U	--	--	--	< 5.0 U	< 5.0 U	< 5.0 U
Sodium	NA	µg/L	--	**18,600**	--	**13,900**	--	--	--	**16,300**	**16,400**	**16,200**
Vanadium	NA	µg/L	--	**4.1 J**	--	**4.8 J**	--	--	--	**8.7**	**4.9 J**	**15.6**
Zinc	NA	µg/L	--	**15.1**	--	**36.4**	--	--	--	**62.2 J**	**14.8**	**27.7 J**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-MW16-7-S19	LTM03-MW17-1-S19	LTM03-MW17-2-S19	LTM03-MW17-3-S19	LTM03-MW18-2-S19	LTM03-MW19-2-S19	LTM03-MW19-5-S19	LTM03-MW21-1-S19	LTM03-MW21-2-S19	LTM03-MW21-3-S19
		Location ID	MW16-7	MW17-1	MW17-2	MW17-3	M218-2	MW19-2	MW19-5	MW21-1	MW21-2	MW21-3
		Depth (ft)	195-205	170-180	205-215	235-245	210-220	132-142	367-377	50-60	87-97	150-160
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/11/2019	6/12/2019	6/12/2019	6/12/2019	6/4/2019	6/5/2019	6/5/2019	6/7/2019	6/7/2019	6/7/2019
Analyte	Project Action Limit (µg/L)	Units										
PCBs												
Aroclor 1242	NA	µg/L	< 0.20 UJ	< 0.20 UJ	< 0.20 UJ	< 0.20 UJ	--	--	--	--	--	--
Aroclor 1254	0.5	µg/L	< 0.20 UJ	< 0.20 UJ	< 0.20 UJ	< 0.20 UJ	--	--	--	--	--	--
Total PCB Aroclors	0.5	µg/L	ND	ND	ND	ND	--	--	--	--	--	--
Pesticides												
4,4-DDD	0.1	µg/L	< 0.054 UJ	< 0.050 UJ	< 0.050 UJ	< 0.050 UJ	--	--	--	--	--	--
4,4-DDE	0.1	µg/L	< 0.054 UJ	< 0.050 UJ	< 0.050 UJ	< 0.050 UJ	--	--	--	--	--	--
4,4-DDT	0.1	µg/L	< 0.054 UJ	< 0.050 UJ	< 0.050 UJ	< 0.050 UJ	--	--	--	--	--	--
Aldrin	NA	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	--	--	--	--	--	--
Alpha-BHC	0.02	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	--	--	--	--	--	--
Alpha-Chlordane	NA	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	--	--	--	--	--	--
Beta-BHC	0.04	µg/L	< 0.033 UJ	**0.0065 J**	**0.0054 J**	< 0.030 UJ	--	--	--	--	--	--
Delta-BHC	NA	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	--	--	--	--	--	--
Dieldrin	0.03	µg/L	< 0.054 UJ	< 0.050 UJ	< 0.050 UJ	< 0.050 UJ	--	--	--	--	--	--
Endosulfan I	NA	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	--	--	--	--	--	--
Endosulfan II	40	µg/L	< 0.054 UJ	< 0.050 UJ	< 0.050 UJ	< 0.050 UJ	--	--	--	--	--	--
Endosulfan Sulfate	40	µg/L	< 0.054 UJ	< 0.050 UJ	< 0.050 UJ	< 0.050 UJ	--	--	--	--	--	--
Endrin	NA	µg/L	< 0.054 UJ	< 0.050 UJ	< 0.050 UJ	< 0.050 UJ	--	--	--	--	--	--
Endrin Aldehyde	NA	µg/L	**0.11 J**	< 0.050 UJ	< 0.050 UJ	**0.085 J**	--	--	--	--	--	--
Endrin Ketone	NA	µg/L	< 0.054 UJ	< 0.050 UJ	< 0.050 UJ	< 0.050 UJ	--	--	--	--	--	--
Gamma-BHC (Lindane)	0.03	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	**0.0030 J**	--	--	--	--	--	--
Gamma-Chlordane	0.5	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	--	--	--	--	--	--
Heptachlor	0.05	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	--	--	--	--	--	--
Heptachlor Epoxide	0.2	µg/L	< 0.033 UJ	< 0.030 UJ	< 0.030 UJ	< 0.030 UJ	--	--	--	--	--	--
Methoxychlor	40	µg/L	< 0.27 UJ	< 0.25 UJ	< 0.25 UJ	**0.0066 J**	--	--	--	--	--	--
Toxaphene	NA	µg/L	< 2.7 UJ	< 2.5 UJ	< 2.5 UJ	< 2.5 UJ	--	--	--	--	--	--
Total Metals												
Aluminum	50	µg/L	< 20.0 U	--	--	**80.9**	< 20.0 U	< 20.0 U	< 20.0 U	**24.3**	< 20.0 U	< 20.0 U
Arsenic	3	µg/L	**5.8**	--	--	**5.2**	**2.7**	**2.7**	**4.3**	**3.9**	**4.1**	**3.3**
Barium	2000	µg/L	**137**	--	--	**57.8**	**46.3**	**53.1**	**17.2**	**29.1**	**12.4**	**19.4**
Cadmium	4	µg/L	< 1.0 U	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	NA	µg/L	**50,000**	--	--	**53,500**	**49,400**	**49,400**	**79,500**	**89,500**	**105,000**	**124,000**
Chromium	70	µg/L	**0.42 J**	--	--	**0.20 J**	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U
Cobalt	NA	µg/L	< 1.0 U	--	--	**0.080 J**	< 1.0 U	< 1.0 U	< 1.0 U	**0.080 J**	**0.080 J**	**0.090 J**
Copper	NA	µg/L	**2.9**	--	--	**3.2**	**5.9**	**3.6**	< 2.0 U	**4.3**	**15.4**	**4.8**
Iron	300	µg/L	< 200 U	--	--	**241**	< 200 U	< 200 U	**244**	**330**	**336**	**392**
Lead	5	µg/L	**4.0**	--	--	**3.2**	**3.3**	**15.1**	**2.0**	**18.2**	**8.8**	**4.9**
Magnesium	NA	µg/L	**25,300**	--	--	**26,100**	**25,100**	**21,200**	**36,700**	**27,100**	**31,200**	**35,800**
Manganese	50	µg/L	**2.7**	--	--	**49.2**	< 1.0 U	**1.3**	**26.1**	**21.4**	**14.6**	**9.8**
Nickel	NA	µg/L	**0.24 J**	--	--	**1.6**	**0.37 J**	**1.8**	**0.16 J**	**0.81 J**	**4.4**	**0.69 J**
Potassium	NA	µg/L	**1,610**	--	--	**1,950**	**1,670**	**1,340**	**1,580**	**1,600**	**1,690**	**1,830**
Selenium	NA	µg/L	< 5.0 U	--	--	**0.87 J**	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Sodium	NA	µg/L	**13,400**	--	--	**19,000**	**17,600**	**10,600**	**26,800**	**30,000**	**32,700**	**36,600**
Vanadium	NA	µg/L	**14.1**	--	--	**5.6**	**10.2**	**13.3**	**17.8**	**11.9**	**11.6**	**11.6**
Zinc	NA	µg/L	**19.8 J**	--	--	**55.0 J**	**67.9**	**74.4**	**41.6**	**50.3 J**	**96.1**	**39.3 J**

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-MW21-4-S19	LTM03-MW21-5-S19	LTM03-MW21-6-S19	LTM03-MW21-7-S19	LTM03-MW21-8-S19	LTM03-MW22-3-S19	LTM03-MW22-4-S19	LTM03-MW23-6-S19	LTM03-MW24-1-S19	LTM03-MW24-2-S19
		Location ID	MW21-4	MW21-5	MW21-6	MW21-7	MW21-8	MW22-3	MW22-4	MW23-6	MW24-1	MW24-2
		Depth (ft)	205-215	260-270	428-438	485-495	505-515	210-220	305-315	316-326	85-95	135-145
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/7/2019	6/7/2019	6/7/2019	6/7/2019	6/7/2019	6/6/2019	6/6/2019	6/6/2019	6/5/2019	6/5/2019
Analyte	**Project Action Limit (µg/L)**	**Units**										
PCBs												
Aroclor 1242	NA	µg/L	--	--	--	--	--	< 0.20 U	--	--	< 0.20 U	< 0.20 U
Aroclor 1254	0.5	µg/L	--	--	--	--	--	< 0.20 U	--	--	< 0.20 U	< 0.20 U
Total PCB Aroclors	0.5	µg/L	--	--	--	--	--	ND	--	--	ND	ND
Pesticides												
4,4-DDD	0.1	µg/L	--	--	--	--	--	--	--	--	--	--
4,4-DDE	0.1	µg/L	--	--	--	--	--	--	--	--	--	--
4,4-DDT	0.1	µg/L	--	--	--	--	--	--	--	--	--	--
Aldrin	NA	µg/L	--	--	--	--	--	--	--	--	--	--
Alpha-BHC	0.02	µg/L	--	--	--	--	--	--	--	--	--	--
Alpha-Chlordane	NA	µg/L	--	--	--	--	--	--	--	--	--	--
Beta-BHC	0.04	µg/L	--	--	--	--	--	--	--	--	--	--
Delta-BHC	NA	µg/L	--	--	--	--	--	--	--	--	--	--
Dieldrin	0.03	µg/L	--	--	--	--	--	--	--	--	--	--
Endosulfan I	NA	µg/L	--	--	--	--	--	--	--	--	--	--
Endosulfan II	40	µg/L	--	--	--	--	--	--	--	--	--	--
Endosulfan Sulfate	40	µg/L	--	--	--	--	--	--	--	--	--	--
Endrin	NA	µg/L	--	--	--	--	--	--	--	--	--	--
Endrin Aldehyde	NA	µg/L	--	--	--	--	--	--	--	--	--	--
Endrin Ketone	NA	µg/L	--	--	--	--	--	--	--	--	--	--
Gamma-BHC (Lindane)	0.03	µg/L	--	--	--	--	--	--	--	--	--	--
Gamma-Chlordane	0.5	µg/L	--	--	--	--	--	--	--	--	--	--
Heptachlor	0.05	µg/L	--	--	--	--	--	--	--	--	--	--
Heptachlor Epoxide	0.2	µg/L	--	--	--	--	--	--	--	--	--	--
Methoxychlor	40	µg/L	--	--	--	--	--	--	--	--	--	--
Toxaphene	NA	µg/L	--	--	--	--	--	--	--	--	--	--
Total Metals												
Aluminum	50	µg/L	< 20.0 U	**28.7**	< 20.0 U	< 20.0 U	< 20.0 U	--	< 20.0 U	< 20.0 U	< 20.0 U	--
Arsenic	3	µg/L	**3.5**	**3.4**	**2.3**	**2.5**	**2.5**	--	**12.0**	**4.9**	**1.8**	--
Barium	2000	µg/L	**15.1**	**19.2**	< 10.0 U	< 10.0 U	< 10.0 U	--	**109**	**64.7**	**68.2**	--
Cadmium	4	µg/L	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--	< 1.0 U	< 1.0 U	< 1.0 U	--
Calcium	NA	µg/L	**144,000**	**144,000**	**474,000**	**507,000**	**457,000**	--	**33,100**	**43,300**	**52,200**	--
Chromium	70	µg/L	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--	< 2.0 U	< 2.0 U	**0.080 J**	--
Cobalt	NA	µg/L	**0.090 J**	**0.080 J**	**0.24 J**	**0.25 J**	**0.24 J**	--	< 1.0 U	**0.040 J**	**0.11 J**	--
Copper	NA	µg/L	**96.4**	**3.3**	**3.8**	< 2.0 U	< 2.0 U	--	< 2.0 U	**5.9**	< 2.0 U	--
Iron	300	µg/L	**470**	**471**	**1,440**	**1,530**	**1,390**	--	< 200 U	< 200 U	< 200 U	--
Lead	5	µg/L	**26.6**	**4.9**	< 1.0 U	< 1.0 U	< 1.0 U	--	**1.4**	**1.5**	**1.7**	--
Magnesium	NA	µg/L	**43,700**	**43,300**	**93,800**	**104,000**	**113,000**	--	**20,600**	**24,900**	**25,600**	--
Manganese	50	µg/L	**25.6**	**49.6**	**491**	**353**	**271**	--	**11.9**	**20.3**	**38.4**	--
Nickel	NA	µg/L	**83.7**	**1.7**	**0.90 J**	**0.57 J**	**0.73 J**	--	**0.24 J**	**0.25 J**	**0.29 J**	--
Potassium	NA	µg/L	**1,950**	**1,930**	**2,950**	**3,140**	**3,130**	--	**1,430**	**1,470**	**1,980**	--
Selenium	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--	< 5.0 U	< 5.0 U	< 5.0 U	--
Sodium	NA	µg/L	**40,100**	**39,900**	**77,600**	**80,500**	**81,900**	--	**13,000**	**16,700**	**16,000**	--
Vanadium	NA	µg/L	**11.9**	**11.2**	**8.4**	**6.0**	**8.4**	--	**11.8**	**16.9**	**10.6**	--
Zinc	NA	µg/L	**245**	**36.5 J**	**16.8 J**	**8.9 J**	< 2.0 U	--	< 2.0 U	**68.5 J**	**49.7**	--

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-2b Spring 2019 PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-MW24-3-S19	LTM03-MW24-4-S19	LTM03-MW24-5-S19	LTM03-MW24-6-S19	LTM03-MW26-1-S19	LTM03-MW26-6-S19
		Location ID	MW24-3	MW24-4	MW24-5	MW24-6	MW26-1	MW26-6
		Depth (ft)	240-250	332-342	370-380	455-465	95-105	455-465
		Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
		Sample Date	6/5/2019	6/5/2019	6/5/2019	6/5/2019	6/6/2019	6/6/2019
Analyte	**Project Action Limit (µg/L)**	**Units**						
PCBs								
Aroclor 1242	NA	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Aroclor 1254	0.5	µg/L	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U
Total PCB Aroclors	0.5	µg/L	ND	ND	ND	ND	ND	ND
Pesticides								
4,4-DDD	0.1	µg/L	--	--	--	--	--	--
4,4-DDE	0.1	µg/L	--	--	--	--	--	--
4,4-DDT	0.1	µg/L	--	--	--	--	--	--
Aldrin	NA	µg/L	--	--	--	--	--	--
Alpha-BHC	0.02	µg/L	--	--	--	--	--	--
Alpha-Chlordane	NA	µg/L	--	--	--	--	--	--
Beta-BHC	0.04	µg/L	--	--	--	--	--	--
Delta-BHC	NA	µg/L	--	--	--	--	--	--
Dieldrin	0.03	µg/L	--	--	--	--	--	--
Endosulfan I	NA	µg/L	--	--	--	--	--	--
Endosulfan II	40	µg/L	--	--	--	--	--	--
Endosulfan Sulfate	40	µg/L	--	--	--	--	--	--
Endrin	NA	µg/L	--	--	--	--	--	--
Endrin Aldehyde	NA	µg/L	--	--	--	--	--	--
Endrin Ketone	NA	µg/L	--	--	--	--	--	--
Gamma-BHC (Lindane)	0.03	µg/L	--	--	--	--	--	--
Gamma-Chlordane	0.5	µg/L	--	--	--	--	--	--
Heptachlor	0.05	µg/L	--	--	--	--	--	--
Heptachlor Epoxide	0.2	µg/L	--	--	--	--	--	--
Methoxychlor	40	µg/L	--	--	--	--	--	--
Toxaphene	NA	µg/L	--	--	--	--	--	--
Total Metals								
Aluminum	50	µg/L	--	--	--	--	**31.7**	--
Arsenic	3	µg/L	--	--	--	--	**1.8**	--
Barium	2000	µg/L	--	--	--	--	**255**	--
Cadmium	4	µg/L	--	--	--	--	< 1.0 U	--
Calcium	NA	µg/L	--	--	--	--	**72,300**	--
Chromium	70	µg/L	--	--	--	--	< 2.0 U	--
Cobalt	NA	µg/L	--	--	--	--	**0.060 J**	--
Copper	NA	µg/L	--	--	--	--	**11.4**	--
Iron	300	µg/L	--	--	--	--	**302**	--
Lead	5	µg/L	--	--	--	--	**18.3**	--
Magnesium	NA	µg/L	--	--	--	--	**12,100**	--
Manganese	50	µg/L	--	--	--	--	**2.4**	--
Nickel	NA	µg/L	--	--	--	--	**0.79 J**	--
Potassium	NA	µg/L	--	--	--	--	**1,240**	--
Selenium	NA	µg/L	--	--	--	--	< 5.0 U	--
Sodium	NA	µg/L	--	--	--	--	**11,100**	--
Vanadium	NA	µg/L	--	--	--	--	**9.6**	--
Zinc	NA	µg/L	--	--	--	--	**393**	--

Notes:
Project Action Limits are based on Preliminary Remediation Goals.

µg/L = Micrograms per liter
< = less than the Reporting Limit.

-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

Table 4-3 Summary Statistics Long-Term Monitoring Program Year 2, Baseline Monitoring Program, and Historical Remedial Investigation Analytical Results

Chemical	Combined Data Summary (October 2009, March 2010)			December 2016 / January 2017				July/August 2017				March/April/May 2018				October 2018				June 2019			
	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)
Volatile Organic Compounds																							
1,1,1-trichloroethane	23 / 274	0.061	1.00	14 / 173	0 / 173	0.2	0.69	10 / 174	0 / 174	0.2	0.69	12/160	0/160	0.2	0.58	11/139	0/139	0.2	0.59	27/164	0/164	0.1	0.78
1,1,2-Trichloro-1,2,2-																				1/164	0/164	0.16	0.16
1,1,2,2-tetrachloroethane	3 / 274	1.200	2.20	0 / 173	0 / 173	ND	ND	0 / 174	0 / 174	ND	ND	0/160	0/160	ND	ND	0/139	0/139	ND	ND	0/164	0/164	ND	ND
1,1,2-trichloroethane	26 / 274	0.265	120	5 / 173	3 / 173	0.92	28	19 / 174	4 / 174	0.2	77	5/160	0/160	0.3	1	4/141	0/141	0.3	1	18/164	3/164	0.1	20
1,1-dichloroethane	67 / 274	0.110	26	39 / 173	0 / 173	0.11	18	52 / 174	0 / 174	0.15	15	56/161	0/161	0.09	17	46/144	0/144	0.12	14	61/164	0/164	0.08	15
1,1-dichloroethene	92 / 274	0.220	280	70 / 173	20 / 173	0.2	130	72 / 174	38 / 174	0.011	460	90/164	47/164	0.160	49	86/142	43/142	0.160	41	106/164	50/164	0.096	270
1,2,3-trichlorobenzene	36 / 271	0.120	280	16 / 173	0 / 173	0.95	350	5 / 174	0 / 174	15	360	16/162	0/162	0	450	15/143	0/143	0	400	5/164	0/164	0	270
1,2,4-trichlorobenzene	44 / 271	0.100	1,600	18 / 173	15 / 173	2.5	1,300	9 / 174	8 / 174	7.8	1,400	22/162	12/162	0.2	1,700	19/144	12/144	0.6	1,500	27/164	12/164	0.2	1,100
1,2-dichlorobenzene	25 / 271	0.150	56	7 / 173	0 / 173	3	61	8 / 174	0 / 174	0.89	57	8/160	0/160	0.36	80	10/143	0/143	0.23	62	18/164	0/164	0.08	59
1,2-dichloroethane	27 / 274	0.220	15	5 / 173	7 / 173	0.13	0.73	7 / 174	0 / 174	0.19	0.97	5/160	0/160	0.60	1.20	2/139	0/139	0.95	1.20	9/164	0/164	0.37	1.10
1,3-dichlorobenzene	32 / 271	0.015	120	7 / 173	0 / 173	3.4	110	20 / 174	0 / 174	0.2	96	5/161	0/161	0.2	72	10/143	0/143	0.3	72	12/164	0/164	0.1	59
1,4-dichlorobenzene	34 / 271	0.250	110	7 / 173	6 / 173	21	160	10 / 174	4 / 174	1.3	130	10/160	3/160	0.3	150	12/144	3/144	0.2	120	15/164	5/164	0.1	110
2-Butanone																				1/164	0/164	6.0	6.0
Acetone																				7/164	0/164	1.5	4.7
Benzene	31 / 274	0.135	24	20 / 173	9 / 173	0.012	1.6	59 / 174	4 / 174	0.011	2.5	10/160	3/160	0.130	2.7	7/142	0/142	0.140	0.3	38/164	4/164	0.057	3.4
Carbon Disulfide																				1/164	0/164	0.19	0.19
Carbon tetrachloride	9 / 274	0.250	0.72	1 / 173	0 / 173	0.32	0.32	12 / 174	0 / 174	0.14	3.2	11/160	0/160	0.22	0.7	9/139	0/139	0.27	0.7	36/164	0/164	0.05	2.8
Chlorobenzene	31 / 274	0.210	65	11 / 173	7 / 173	0.1	390	22 / 174	5 / 174	0.11	500	18/161	4/161	0.12	590	24/142	5/142	0.12	580	43/164	5/164	0.04	640
Chloroform	97 / 274	0.230	150	44 / 173	0 / 173	0.12	3.6	29 / 174	0 / 174	0.22	3.2	39/162	0/162	0.14	3.5	48/143	0/143	0.15	3.5	18/164	0/164	0.05	3.6
Chloromethane	2 / 274	0.620	1.30	0 / 173	0 / 173	ND	ND	0 / 174	0 / 174	ND	ND	0/160	0/160	ND	ND	1/139	0/139	0.18	0.18	1/164	0/164	0.22	0.22
Cis-1,2-dichloroethene	224 / 274	0.250	390,000	146 / 173	54 / 173	0.2	200,000	150 / 174	48 / 174	0.18	230,000	151/166	49/166	0.15	180,000	150/165	52/165	0.15	210,000	151/164	50/164	0.09	400,000
Cis-1,3-Dichloropropene																				1/164	0/164	0.26	0.26
Cyclohexane	11 / 274	0.225	13	1 / 173	1 / 173	1.1	1.1	0 / 174	0 / 174	ND	ND	0/160	0/160	ND	ND	0/139	0/139	ND	ND	0/164	0/164	ND	ND
Dibromochloromethane	18 / 274	0.210	1.20	0 / 173	0 / 173	ND	ND	0 / 174	0 / 174	ND	ND	2/160	0/160	0.013	0.02	4/141	0/141	0.01	0.021	0/164	0/164	ND	ND
Ethylbenzene	5 / 274	0.430	20	0 / 173	0 / 173	ND	ND	0 / 174	0 / 174	ND	ND	0/160	0/160	ND	ND	0/139	0/139	ND	ND	0/164	0/164	ND	ND
Isopropylbenzene	3 / 274	0.200	5.10	0 / 173	0 / 173	ND	ND	0 / 174	0 / 174	ND	ND	0/160	0/160	ND	ND	0/139	0/139	ND	ND	0/164	0/164	ND	ND
m,p-Xylene	5 / 274	0.410	15	0 / 173	0 / 173	ND	ND	0 / 174	0 / 174	ND	ND	0/160	0/160	ND	ND	0/139	0/139	ND	ND	0/164	0/164	ND	ND
Methyl acetate	1 / 274	3.400	3.40	0 / 173	0 / 173	ND	ND	0 / 174	0 / 174	ND	ND	0/160	0/160	ND	ND	0/139	0/139	ND	ND	0/164	0/164	ND	ND
Methyl tert-butyl ether	111 / 274	0.100	330	43 / 173	4 / 173	0.15	340	55 / 174	1 / 174	0.11	380	45/160	1/160	0.21	310	29/147	1/147	0.42	300	47/164	1/164	0.17	280
Methylcyclohexane	11 / 273	0.140	42	3 / 173	0 / 173	0.64	1.6	0 / 174	0 / 174	ND	ND	0/160	0/160	ND	ND	0/139	0/139	ND	ND	3/164	0/164	0.11	1
Methylene Chloride	21 / 274	0.230	7	6 / 173	0 / 173	0.25	0.89	40 / 174	7 / 174	0.12	270	2/160	0/160	0.37	1	2/139	0/139	0.80	1	2/164	0/164	0.16	1
o-Xylene	8 / 274	0.330	85	0 / 173	0 / 173	ND	ND	3 / 174	0 / 174	0.2	0.2	0/160	0/160	ND	ND	0/139	0/139	ND	ND	0/164	0/164	ND	ND
Tetrachloroethene	112 / 274	0.120	1,600	52 / 173	31 / 173	0.21	130	106 / 174	45 / 174	0.01	3,000	72/165	38/165	0.18	2,200	74/151	31/151	0.18	2,100	115/164	43/164	0.04	1,300
Toluene	143 / 274	0.130	86	22 / 173	0 / 173	0.097	2.8	24 / 174	0 / 174	0.1	1.4	6/160	0/160	0.1	0.2	2/141	0/141	0.1	0.4	12/164	0/164	0.0	0.6
trans-1,2-dichloroethene	84 / 274	0.110	1,300	36 / 173	3 / 173	0.08	850	65 / 174	5 / 174	0.14	850	60/161	2/161	0.11	690	62/148	4/148	0.11	770	91/164	8/164	0.06	1500
trans-1,3-dichloropropene	Not reported in RI report			Not reported in Baseline report				Not reported in Baseline report				0/160	0/160	ND	ND	1/139	0/139	680.00	680	0/164	0/164	ND	ND
Trichloroethene	239 / 274	0.280	170,000	155 / 173	113 / 173	0.34	200,000	155 / 174	138 / 174	0.039	120,000	150/165	131/165	0.160	120,000	147/164	123/164	0.140	150,000	155/164	126/164	0.067	190,000
Trichlorofluoromethane	4 / 274	0.300	1.10	9 / 173	0 / 173	0.2	0.74	8 / 174	0 / 174	0.29	0.86	11/162	0/162	0.15	1.90	11/143	0/143	0.15	0.95	15/164	0/164	0.08	2.10
Vinyl chloride	64 / 274	0.360	860	44 / 173	36 / 173	0.02	970	53 / 174	39 / 174	0.024	2,600	47/161	36/161	0.120	3,500	47/152	37/152	0.140	7,800	54/164	37/164	0.240	910
SemiVolatile Organic Compounds																							
1,1-biphenyl	4 / 275	1.10	17	5 / 164	0 / 164	0.96	1.5	6 / 155	0 / 155	0.98	1.8	1/60	0/60	0.73	0.7	1/58	0/58	2	2	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	1 / 275	3.50	3.50	1 / 164	0 / 164	0.71	0.71	0 / 155	0 / 155	ND	ND	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
1,4-Dioxane	NA	NA	NA	28 / 161	0 / 164	0.57	5.4	27 / 155	0 / 155	0.93	12	9/60	0/60	0.83	5	8/58	0/58	1.2	2.6	NA	NA	NA	NA
2,4-Dichlorophenol	1 / 275	5.30	5.30	0 / 164	0 / 164	ND	ND	0 / 155	0 / 155	ND	ND	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
2-Chlorophenol	1 / 274	2.60	2.60	0 / 164	0 / 164	ND	ND	0 / 155	0 / 155	ND	ND	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
2-Methylnaphthalene	6 / 275	0.12	2.20	2 / 164	0 / 164	0.055	0.11	7 / 166	0 / 166	0.012	0.088	5/60	0/60	0.047	1.400	3/58	0/58	0.034	0.11	NA	NA	NA	NA
Acenaphthene	5 / 275	0.13	0.39	1 / 164	0 / 164	0.39	0.39	8 / 166	0 / 166	0.01	0.3	11/60	0/60	0.01	9.9	1/58	0/58	0.43	0.43	NA	NA	NA	NA
Acenaphthylene	0 / 275	ND	ND	0 / 164	0 / 164	ND	ND	6 / 166	0 / 166	0.013	0.025	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
Acetophenone	2 / 275	1.60	2.80	0 / 164	0 / 164	ND	ND	0 / 165	0 / 165	ND	ND	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
Anthracene	2 / 275	0.12	0.49	2 / 164	0 / 164	0.032	0.21	13 / 166	0 / 166	0.018	0.15	9/60	0/60	0.010	0.27	7/58	0/58	0.01	0.072	NA	NA	NA	NA
Benzaldehyde	2 / 274	4.20	7.20	0 / 164	0 / 164	ND	ND	0 / 165	0 / 165	ND	ND	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
Benzo[a]anthracene	3 / 275	0.08	1.70	1 / 164	0 / 164	0.034	0.034	5 / 166	0 / 166	0.01	0.12	2/60	0/60	0.02	0.03	3/58	0/58	0.016	0.024	NA	NA	NA	NA
Benzo[a]pyrene	8 / 275	0.14	4.30	1 / 164	0 / 164	0.029	0.029	4 / 166	0 / 166	0.025	0.086	2/60	0/60	0.031	0.045	1/58	0/58	0.031	0.031	NA	NA	NA	NA
Benzo[b]fluoranthene	10 / 274	0.08	3.00	1 / 164	0 / 164	0.036	0.036	4 / 166	0 / 166	0.017	0.087	2/60	0/60	0.031	0.043	3/58	0/58	0.022	0.043	NA	NA	NA	NA
Benzo[g,h,i]perylene	13 / 274	0.09	2.60	1 / 164	0 / 164	0.038	0.038	5 / 166	0 / 166	0.013	0.09	4/60	0/60	0.017	0.37	3/58	0/58	0.019	0.041	NA	NA	NA	NA
Benzo[k]fluoranthene	10 / 275	0.09	3.50	0 / 164	0 / 164	ND	ND	3 / 166	0 / 166	0.051	0.091	1/60	0/60	0.017	0.017	1/58	0/58	0.019	0.019	NA	NA	NA	NA
Bis(2-ethylhexyl) phthalate	34 / 275	1.10	220	3 / 164	0 / 164	0.46	0.72	5 / 166	0 / 155	0.15	0.47	1/60	0/60	0.51	0.51	0/58	0/58	ND	ND	NA	NA	NA	NA
Caprolactam	39 / 275	2.00	95	16 / 164	0 / 164	0.55	5.2	16 / 155	0 / 155	0.93	4.9	1/60	0/60	1.70	1.7	2/58	0/58	2.4	2.8	NA	NA	NA	NA
Carbazole	1 / 305	0.54	0.54	0 / 164	0 / 164	ND	ND	0 / 155	0 / 155	ND	ND	0/60	0/60	ND	ND	1/58	0/58	0.64	0.64	NA	NA	NA	NA
Chrysene	4 / 305	0.09	1.70	1 / 164	0 / 164	0.03	0.03	4 / 166	0 / 166	0.023	0.13	4/60	0/60	0.019	1.10	3/58	0/58	0.018	0.034	NA	NA	NA	NA
Dibenz[a,h]anthracene	31 / 273	0.07	5.50	1 / 164	0 / 164	0.03	0.03	3 / 166	0 / 166	0.054	0.097	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
Diethyl phthalate	2 / 275	1.70	41.00	0 / 164	0 / 164	ND	ND	0 / 155	0 / 155	ND	ND	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
Dimethyl phthalate	1 / 275	11.00	11.00	0 / 164	0 / 164	ND	ND	0 / 155	0 / 155	ND	ND	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
Di-n-butyl phthalate	NA	NA	NA	2 / 164	0 / 164	0.56	1.7	5 / 155	0 / 155	1.2	5	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
Fluoranthene	3 / 275	0.38	2.90	4 / 164	0 / 164	0.015	0.068	7 / 166	0 / 166	0.012	0.087	8/60	0/60	0.021	1.5	3/58	0/58	0.018	0.073	NA	NA	NA	NA
Fluorene	4 / 275	0.03	0.56	1 / 164	0 / 164	0.073	0.073	6 / 166	0 / 166	0.013	0.039	0/60	0/60	ND	ND	1/58	0/58	0.026	0.026	NA	NA	NA	NA
Indeno[1,2,3-c,d]pyrene	60 / 274	0.08	3.10	1 / 164	0 / 164	0.033	0.033	3 / 166	0 / 166	0.038	0.089	3/60	0/60	0.017	0.036	2/58	0/58	0.017	0.04	NA	NA	NA	NA
Naphthalene	64 / 275	0.03	14.00	14 / 164	0 / 164	0.017	5.3	14 / 166	0 / 166	0.01	2.5	6/60	0/60	1.10	9.4	4/58	0/58	1.1	2.5	NA	NA	NA	NA
Pentachlorophenol	2 / 213	0.08	0.09	3 / 164	0 / 164	0.014	0.021	12 / 165	0 / 165	0.022	0.12	0/60	0/60	ND	ND	1/58	0/58	0.068	0.068	NA	NA	NA	NA
Phenanthrene	4 / 275	0.13	1.50	2 / 164	0 / 164	0.062	0.11	9 / 166	0 / 166	0.012	0.15	7/60	0/60	0.012	1.20	6/58	0/58	0.011	0.063	NA	NA	NA	NA
Phenol	6 / 274	1.80	4.30	0 / 164	0 / 164	ND	ND	0 / 165	0 / 165	ND	ND	0/60	0/60	ND	ND	0/58	0/58	ND	ND	NA	NA	NA	NA
Pyrene	5 / 275	0.14	2.30	3 / 164	0 / 164	0.075	0.52	5 / 166	0 / 166	0.026	0.33	6/60	0/60	0.025	1.70	2/58	0/58	0.065	0.46	NA	NA	NA	NA

Table 4-3 Summary Statistics Long-Term Monitoring Program Year 2, Baseline Monitoring Program, and Historical Remedial Investigation Analytical Results

Chemical	Combined Data Summary (October 2009, March 2010)			December 2016 / January 2017				July/August 2017				March/April/May 2018				March/April/May 2018				June 2019			
	Frequency of Detection	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)	Frequency of Detection	Frequency of Exceedances	Minimum Detected Concentration (µg/L)	Maximum Detected Concentration (µg/L)
Polychlorinated Biphenyls																							
Aroclor 1016	16 / 275	0.06	30	0 / 164	0 / 164	ND	ND	0 / 166	0 / 166	ND	ND	0/165	0/165	ND	ND	0/49	0/49	ND	ND	0/75	0/75	ND	ND
Aroclor 1221	0 / 275	ND	ND	0 / 164	0 / 164	ND	ND	0 / 166	0 / 166	ND	ND	8/165	0/165	0.27	6.6	0/49	0/49	ND	ND	0/75	0/75	ND	ND
Aroclor 1242	NA	NA	NA	34 / 164	0 / 164	0.02	1,700	14 / 166	0 / 166	0.73	1,110	32/165	0/165	0.08	56,000	19/49	0/49	0.29	3,600	21/75	0/75	0.12	92
Aroclor 1248	21 / 268	0.12	7,300	0 / 164	0 / 164	ND	ND	4 / 166	3 / 166	0.092	6.3	2/165	0/165	0.084	0.1	0/49	0/49	ND	ND	0/75	0/75	ND	ND
Aroclor 1254	71 / 273	0.03	5,600	22 / 164	9 / 164	0.026	850	16 / 166	13 / 166	0.046	934	17/165	13/165	0.091	79,000	12/49	12/49	1.1	4,600	10/75	10/75	0.930	96
Total Aroclor	69 / 265	0.03	12,900	Not reported in Baseline report				Not reported in Baseline report				32/165	13/165	0.080	135,000	19/49	17/49	0.29	8,200	21/75	10/75	0.930	188
Pesticides																							
4,4-DDD	15 / 90	0.09	1,800	5 / 163	2 / 163	0.0021	0.62	0 / 166	0 / 166	ND	ND	7/60	6/60	0.004	340	4/58	2/58	0.05	6.4	4/57	2/57	0.0025	0.9
4,4-DDE	17 / 272	0.09	1,600	11 / 164	10 / 164	0.0012	5	0 / 166	0 / 166	ND	ND	8/60	8/60	0.12	2,200	15/58	8/58	0.0013	46	16/57	5/57	0.0008	6
4,4-DDT	26 / 271	0.13	4,000	9 / 160	5 / 160	0.0037	19	0 / 166	0 / 166	ND	ND	21/60	9/60	0.0029	10,000	20/58	9/58	0.0049	290	15/57	7/57	0.0024	28
Aldrin	Not reported in RI report			Not reported in Baseline report				Not reported in Baseline report				7/58	0/58	0.0025	370	8/55	0/55	0.034	2.3	6/54	0/54	0.046	0.36
alpha-BHC	13 / 275	0.09	68	0 / 164	0 / 164	0.01	0.05	0 / 166	0 / 166	ND	ND	3/60	0/60	0.0022	0.0033	10/58	0/58	0.00097	0.01	2/57	0/57	0.0007	0.0008
alpha-Chlordane	Not reported in RI report			Not reported in Baseline report				Not reported in Baseline report				10/54	0/54	0.0067	460	17/58	0/58	0.0012	9.8	6/57	0/57	0.075	8.1
Beta-BHC	9 / 275	0.06	680	12 / 156	5 / 156	0.0017	1.4	0 / 166	0 / 166	ND	ND	8/56	8/56	0.026	1,300	14/57	9/57	0.0056	34	13/54	8/54	0.0054	2.3
delta-BHC	5 / 216	0.18	880	5 / 156	0 / 156	0.0024	0.025	0 / 166	0 / 166	ND	ND	6/55	0/55	0.0025	0.88	0/48	0/48	ND	ND	4/50	0/50	0.0013	0.06
Dieldrin	8 / 271	0.18	350	24 / 164	11 / 164	0.0017	16	13 / 166	6 / 166	0.0035	0.54	28/60	14/60	0.0029	8700	20/58	15/58	0.0093	190	16/57	11/57	0.0093	24
Endosulfan I	Not reported in RI report			Not reported in Baseline report				Not reported in Baseline report				4/54	0/54	0.027	450	13/58	0/58	0.0016	9.5	2/53	0/53	0.0047	0.022
Endosulfan II	7 / 275	0.17	240	5 / 163	0 / 163	0.0018	0.25	0 / 166	0 / 166	ND	ND	7/60	0/60	0.011	0.42	3/58	0/58	0.0024	0.013	5/57	0/57	0.0032	1.7
Endosulfan sulfate	7 / 275	0.08	75	3 / 164	0 / 164	0.0026	0.25	0 / 166	0 / 166	ND	ND	4/60	0/60	0.0022	0.069	10/58	0/58	0.0016	8.8	5/57	0/57	0.0012	0.051
Endrin	1 / 271	0.19	0	2 / 159	0 / 159	0.0025	0.05	0 / 166	0 / 166	ND	ND	5/52	0/52	0.0013	0.0058	0/51	0/51	ND	ND	0/57	0/57	ND	ND
Endrin aldehyde	6 / 275	0.11	150	5 / 164	0 / 164	0.05	2.1	1 / 166	0 / 166	0.038	0.038	29/60	0/60	0.002	1000	26/57	0/57	0.005	0.53	23/57	0/57	0.005	29
Endrin ketone	Not reported in RI report			Not reported in Baseline report				Not reported in Baseline report				8/53	0/53	0.002	0.008	3/55	0/55	0.0028	0.0071	3/56	0/56	0.0021	0.13
Gamma-BHC (Lindane)	6 / 275	0.07	14	10 / 160	6 / 160	0.0028	1.4	1 / 166	0 / 166	0.011	0.011	6/51	3/51	0.003	0.310	9/40	6/40	0.0046	0.39	6/50	3/50	0.003	0.15
gamma-Chlordane	16 / 275	0.03	370	8 / 161		0.0018	5.3	0 / 166	0 / 166	ND	ND	9/59	7/59	0.003	3200	10/53	0/53	0.0012	0.34	11/50	2/50	0.0013	7.6
Heptachlor	16 / 275	0.06	300	2 / 164	2 / 164	0.02	1.4	0 / 166	0 / 166	ND	ND	3/60	0/60	0.0031	0.035	18/58	10/58	0.0018	24	9/57	3/57	0.002	0.32
Heptachlor epoxide	2 / 275	0.20	3	39 / 160	0 / 160	0.0016	0.025	0 / 166	0 / 166	ND	ND	2/55	0/55	0.0073	0.025	9/56	5/56	0.0071	74	0/53	0/53	ND	ND
Methoxychlor	5 / 275	0.22	400	7 / 164	0 / 164	0.0084	1.3	0 / 166	0 / 166	ND	ND	4/60	0/60	0.0045	0.18	3/58	0/58	0.061	0.077	2/57	0/57	0.0066	0.0094
Inorganic Parameters																							
Aluminum	84 / 265	12.10	6,210	49 / 164	16 / 164	15	1,500	58 / 166	19 / 166	16	5,000	43/168	22/168	15	1,300	27/49	9/49	7.5	4130	15/42	9/42	24	772
Antimony	13 / 275	0.32	3.50	0 / 164	0 / 164	ND	ND	0 / 166	0 / 166	ND	ND	0/168	0/168	ND	ND	27/49	0/49	0.17	0.55	0/42	0/42	ND	ND
Arsenic	275 / 275	0.68	829	151 / 164	61 / 164	1.1	11	151 / 166	56 / 166	1	11	154/168	60/168	1	13	49/49	21/49	0.47	15.3	36/42	16/42	1	12
Barium	274 / 275	8.70	8,790	164 / 164	4 / 164	5.9	9,200	166 / 166	3 / 166	6.8	8,600	168/168	3/168	6.0	7,600	49/49	1/49	52.2	3920	39/42	2/42	12.4	8,270
Beryllium	5 / 275	0.07	0.45	0 / 164	0 / 164	ND	ND	0 / 166	0 / 166	ND	ND	0/168	0/168	ND	ND	6/49	0/49	0.03	0.53	0/42	0/42	ND	ND
Cadmium	24 / 275	0.04	16.80	1 / 164	0 / 164	2.2	2.2	3 / 166	1 / 166	1.1	2.6	3/168	0/168	1.1	1.4	8/49	0/49	0.12	1.2	4/42	0/42	0.1	0.6
Calcium	275 / 275	29,500	597,000	164 / 164	0 / 164	31,000	590,000	166 / 166	0 / 166	34,000	650,000	168/168	0/168	38,000	610,000	49/49	0/49	35300	410000	42/42	0/42	11,800	663,000
Chromium	109 / 275	0.11	96.80	14 / 164	1 / 164	1.1	100	23 / 166	0 / 166	1	29	16/168	2/168	1	150	32/49	6/49	0.09	217	20/42	0/42	0	16
Cobalt	79 / 275	0.04	6.60	2 / 164	0 / 164	1.5	2	3 / 166	0 / 166	2.6	5.5	4/168	0/168	1.3	1.8	36/49	0/49	0.04	5.6	36/42	0/42	0.0	1.6
Copper	203 / 274	0.36	123	56 / 164	0 / 164	1	130	78 / 166	0 / 166	1	180	90/168	0/168	1	190	49/49	0/49	0.39	210	30/42	0/42	2	96
Cyanide	28 / 275	1.00	29.50	Not Sampled				Not Sampled				Not Sampled				Not Sampled				Not Sampled			
Iron	85 / 275	11.00	8,520	55 / 164	13 / 164	20	5,400	52 / 166	10 / 166	20	9,000	51/168	12/168	20	4,700	28/49	15/49	102	32300	26/42	21/42	206	2,710
Lead	249 / 275	0.25	32.90	77 / 164	11 / 164	1	10	116 / 166	21 / 166	1	15	123/168	14/168	1	24	40/49	6/49	0.11	39.3	36/42	8/42	1	27
Magnesium	275 / 275	1,160	135,000	164 / 164	0 / 164	4,300	110,000	166 / 166	0 / 166	5,700	110,000	168/168	0/168	6,000	120,000	49/49	0/49	8800	57300	42/42	0/42	12,100	113,000
Manganese	256 / 275	0.18	2,020	138 / 164	46 / 164	1	1,500	138 / 166	49 / 166	1.1	1,600	141/168	44/168	1.0	1,700	48/49	26/49	1.4	2030	41/42	15/42	0.9	776
Mercury	18 / 266	0.05	0.12	0 / 164	0 / 164	0	0	0 / 166	0 / 166	ND	ND	Not Sampled				Not Sampled				Not Sampled			
Nickel	208 / 256	0.19	18.35	39 / 164	0 / 164	1.1	57	38 / 166	0 / 166	1	38	30/168	0/168	1	46	49/49	0/49	0.14	55.4	42/42	0/42	0	84
Potassium	179 / 275	791	27,800	164 / 164	0 / 164	530	7,700	166 / 166	0 / 166	490	8,800	168/168	0/168	530	6,600	49/49	0/49	1100	3130	42/42	0/42	1240	3,540
Selenium	49 / 275	0.16	2.20	1 / 164	0 / 164	2	2	1 / 166	0 / 166	2.1	2.1	1/168	0/168	2.2	2.2	1/49	0/49	1.1	1.1	3/42	0/42	0.9	1.4
Silver	12 / 275	0.02	0.12	0 / 164	0 / 164	ND	ND	0 / 166	0 / 166	ND	ND	0/168	0/168	ND	ND	28/49	0/49	0.04	0.61	0/42	0/42	ND	ND
Sodium	275 / 275	8,450	691,000	164 / 164	0 / 164	7,500	270,000	166 / 166	1 / 166	8,700	200,000	168/168	0/168	6,600	160,000	49/49	0/49	12800	74400	42/42	0/42	10,600	81,900
Thallium	Not reported in Remedial Investigation Report			Not reported in Baseline Report				Not reported in Baseline Report				0/168	0/168	ND	ND	6/49	0/49	0.05	0.21	0/42	0/42	ND	ND
Vanadium	226 / 275	1.30	30.10	159 / 164	0 / 164	1.1	24	160 / 166	0 / 166	1.3	22	163/168	0/168	1.0	25	49/49	0/49	0.32	76.4	42/42	0/42	1.0	18
Zinc	275 / 275	2.50	187	133 / 164	0 / 164	2	140	154 / 166	0 / 166	2.1	98	156/168	0/168	2.0	130	49/49	0/49	16.2	84.6	40/42	0/42	8.9	5130

Notes:
µg/L = Microgram(s) per liter
ND = Not detected

Table 4-4 Spring 2019 Dioxins and Furans Groundwater Analytical Results

			Sample Name	LTM03-ERT4-4-S19	LTM03-MW01A-SH-S19	LTM03-MW11-SH-S19	LTM03-MW12-SH-S19	LTM03-MW14D-1-S19	LTM03-MW14D-2-S19	FD061219-1	LTM03-MW14D-3-S19	LTM03-MW14S-2-S19	LTM03-MW14S-3-S19	LTM03-MW16-7-S19
			Location ID	ERT-4	MW-01A	MW-11	MW-12	MW-14D-1	MW-14D2	MW-14D-2	MW-14D3	MW-14S-2	MW-14S-3	MW-16-7
			Depth (ft)	83-88	24-49	34-59	35-60	80-85	123-133	123-133	199-209	41-46	55-60	195-205
			Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			Sample Date	6/7/2019	6/11/2019	6/11/2019	6/11/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/11/2019
Analyte	**Analyte Type**	**Project Action Limit**	**Units**											
Dioxins and Furans														
1,2,3,4,6,7,8-heptachlorodibenzofuran (HpCDF)	Target	NA	pg/L	< 3.7 UJ	< 3.7 UJ	< 36 UJ	< 32 UJ	< 35 UJ	< 36 UJ	< 35 UJ	<32 UJ	**170 J**	< 33 UJ	< 3.7 UJ
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin (HpCDD)	Target	NA	pg/L	< 4.4 UJ	< 4.4 UJ	< 43 UJ	< 38 UJ	< 42 UJ	< 43 UJ	< 41 UJ	<38 UJ	< 42 UJ	< 39 UJ	< 4.4 UJ
1,2,3,4,7,8,9-heptachlorodibenzofuran (HpCDF)	Target	NA	pg/L	< 3.5 UJ	< 3.5 UJ	< 35 UJ	< 31 UJ	< 34 UJ	< 35 UJ	< 33 UJ	<31 J	**120 J**	< 31 UJ	< 3.5 UJ
1,2,3,4,7,8-hexachlorodibenzofuran (HxCDF)	Target	NA	pg/L	< 1.9 UJ	< 1.9 UJ	< 19 UJ	< 17 UJ	< 19 UJ	< 19 UJ	< 18 UJ	<17 UJ	**350 J**	< 17 UJ	< 2.0 UJ
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin (HxCDD)	Target	NA	pg/L	< 2.8 UJ	< 2.8 UJ	< 28 UJ	< 25 UJ	< 27 UJ	< 28 UJ	< 27 UJ	<25 UJ	< 27 UJ	< 25 UJ	< 2.8 UJ
1,2,3,6,7,8-hexachlorodibenzofuran (HxCDF)	Target	NA	pg/L	< 1.4 UJ	< 1.4 UJ	< 14 UJ	< 12 UJ	< 18 UJ	< 14 UJ	< 13 UJ	<12 UJ	**180 J**	< 12 UJ	< 1.4 UJ
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin (HxCDD)	Target	NA	pg/L	< 3.5 UJ	< 3.5 UJ	< 35 UJ	< 31 UJ	< 34 UJ	< 35 UJ	< 33 UJ	<31 UJ	< 34 UJ	< 31 UJ	< 3.5 UJ
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	Target	NA	pg/L	< 1.7 UJ	< 1.3 UJ	< 13 UJ	< 12 UJ	< 23 UJ	< 14 UJ	< 13 UJ	<12 UJ	**74 JEMPC**	< 12 UJ	< 1.4 UJ
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin (HxCDD)	Target	NA	pg/L	< 2.0 UJ	< 1.6 UJ	< 16 UJ	< 14 UJ	< 17 UJ	< 16 UJ	< 15 UJ	<14 UJ	< 15 UJ	< 14 UJ	< 1.6 UJ
1,2,3,7,8-pentachlorodibenzofuran (PeCDF)	Target	NA	pg/L	**1.7 J**	< 1.3 UJ	< 13 UJ	< 11 UJ	< 12 UJ	< 13 UJ	< 12 UJ	<11 UJ	< 31 UJ	< 14 UJ	< 1.3 UJ
1,2,3,7,8-pentachlorodibenzo-p-dioxin (PeCDD)	Target	NA	pg/L	< 1.7 UJ	< 1.7 UJ	< 17 UJ	< 15 UJ	< 17 UJ	< 17 UJ	< 16 UJ	<13 UJ	< 17 UJ	< 15 UJ	< 1.7 UJ
2,3,4,6,7,8-hexachlorodibenzofuran (HxCDF)	Target	NA	pg/L	< 1.3 UJ	< 1.3 UJ	< 13 UJ	< 11 UJ	< 17 UJ	< 12 UJ	< 12 UJ	<11 UJ	**74 J**	< 11 UJ	< 1.3 UJ
2,3,4,7,8-pentachlorodibenzofuran (PeCDF)	Target	NA	pg/L	< 1.5 UJ	< 1.5 UJ	< 15 UJ	< 13 UJ	< 15 UJ	< 15 UJ	< 14 UJ	<13 UJ	**110 J**	< 14 UJ	< 1.5 UJ
2,3,7,8-tetrachlorodibenzodioxin (TCDD)	Target	NA	pg/L	< 1.5 UJ	< 1.5 UJ	< 15 UJ	< 13 UJ	< 14 UJ	< 14 UJ	< 14 UJ	<13 UJ	< 14 UJ	< 13 UJ	< 1.5 UJ
2,3,7,8-tetrachlorodibenzofuran (TCDF)	Target	NA	pg/L	< 1.3 UJ	< 1.8 UJ	< 20 UJ	< 16 UJ	< 17 UJ	< 20 UJ	< 18 UJ	<15UJ	< 36 UJ	< 24 UJ	< 1.2 UJ
Octachlorodibenzo-4-dioxin (OCDD)	Target	NA	pg/L	< 5.1 UJ	**6.2 J**	< 51 UJ	**48 JEMPC**	< 49 UJ	< 50 UJ	< 48 UJ	<44 UJ	< 49 UJ	< 45 UJ	< 5.1 UJ
Octachlorodibenzofuran (OCDF)	Target	NA	pg/L	< 5.1 UJ	< 5.1 UJ	< 51 UJ	< 45 UJ	< 49 UJ	< 51 UJ	< 48 UJ	<45 UJ	**160 J**	< 46 UJ	< 5.1 UJ
Heptachlorodibenzo-p-dioxins	Derived	NA	pg/L	< 1.8 UJ	< 1.7 UJ	< 17 UJ	< 18 UJ	< 14 UJ	< 14 UJ	< 13 UJ	<12 UJ	< 12 UJ	< 12 UJ	< 2.0 UJ
TEQ WHO1998 Bird ND=LQL	Derived	NA	pg/L	**0.17**	**0.00062**	0	0	0	0	0	0	**180**	0	0
TEQ WHO1998 Fish ND=LQL	Derived	NA	pg/L	**0.084**	**0.00062**	0	0	0	0	0	0	**120**	0	0
Total HpCDFs	Derived	NA	pg/L	< 1.5 UJ	< 1.2 UJ	< 35 UJ	< 31 UJ	< 34 UJ	< 35 UJ	< 33 UJ	<31 U	390 J	< 31 UJ	< 3.5 UJ
Total HxCDDs	Derived	NA	pg/L	< 2.0 UJ	< 1.3 UJ	< 11 UJ	< 13 UJ	< 17 UJ	< 16 UJ	< 7.9 UJ	<8.6 U	< 13 UJ	< 12 UJ	< 1.1 UJ
Total HxCDFs	Derived	NA	pg/L	< 1.3 UJ	< 0.85 UJ	< 10 UJ	< 6.6 UJ	< 17 UJ	< 10 UJ	< 8.0 UJ	<6.1 U	950 J	< 8.7 UJ	< 0.81 UJ
Total PeCDDs	Derived	NA	pg/L	< 1.3 UJ	< 1.2 UJ	< 10 UJ	< 7.6 UJ	< 9.0 UJ	< 11 UJ	< 8.3 UJ	<9.3 U	< 14 UJ	< 9.4 UJ	< 1.1 UJ
Total PeCDFs	Derived	NA	pg/L	1.7 J	< 0.53 UJ	14 J	< 4.6 UJ	< 6.1 UJ	< 5.6 UJ	< 4.9 UJ	<7.8. U	680 J	69 J	< 0.50 UJ
Total TCDDs	Derived	NA	pg/L	< 1.1 UJ	< 0.93 UJ	< 8.2 UJ	< 8.4 UJ	< 8.7 UJ	< 9.5 UJ	< 8.0 UJ	<8.6 U	< 8.2 UJ	< 8.4 UJ	< 0.88 UJ
Total TCDFs	Derived	NA	pg/L	< 1.3 UJ	< 1.8 UJ	< 20 UJ	19 J	< 17 UJ	< 20 UJ	< 18 UJ	<15 U	310 J	53 J	< 1.2 UJ
Total TEQ - Mammal	Derived	NA	pg/L	0.051	0.0019	0	0	0	0	0	0	97	0	0

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
pg/L = picograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
N/A = Not applicable
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration.
Bold values were detected at concentrations at or above the Reporting Limit.

Table 4-5 Spring 2019 PCB Congeners Groundwater Analytical Results

			Sample Name	LTM03-ERT4-4-S19	LTM03-MW01A-SH-S19	LTM03-MW11-SH-S19	LTM03-MW12-SH-S19	LTM03-MW14D-2-S19	FD061219-1	LTM03-MW14D-3-S19	LTM03-MW14D-1-S19	LTM03-MW14S-2-S19	LTM03-MW14S-3-S19	LTM03-MW16-7-S19
			Location ID	ERT-4	MW-01A	MW-11	MW-12	MW-14D-2	MW-14D-2	MW-14D-3	MW-14D	MW-14S-2	MW-14S-3	MW-16-7
			Depth (ft)	83-88	24-49	34-59	35-60	123-133	123-133	199-209	199-209	41-46	55-60	195-205
			Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			Sample Date	6/7/2019	6/11/2019	6/11/2019	6/11/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/12/2019	6/11/2019
Analyte		**Limit**	**Units**											
PCB Congeners														
PCB 77	Target	NA	pg/L	< 2.4 U	**46 J**	< 3,000 U	**24,000**	**73,000**	**52,000**	**170,000**	**740,000**	**170,000**	< 2,700 U	< 23 U
PCB 81	Target	NA	pg/L	< 2.3 U	< 36 U	< 2,900 U	< 2,500 U	**3,100 J**	< 4,100 U	**7,900 J**	**29,000**	**16,000 J**	< 2,600 U	< 22 U
PCB 105	Target	NA	pg/L	**31**	**470**	**130,000**	**70,000**	**300,000**	**170,000**	**850,000**	**4,000,000**	**5,000,000**	**110,000**	< 40 U
PCB 114	Target	NA	pg/L	< 3.1 U	< 34 U	**6,500 J**	< 3,200 U	**18,000 J**	**11,000 J**	**46,000**	**240,000**	**280,000**	**6,700 J**	< 22 U
PCB 118	Target	NA	pg/L	**91**	**1,200**	**280,000**	**150,000**	**660,000**	**400,000**	**1,800,000**	**8,900,000**	**13,000,000**	**260,000**	< 55 U
PCB 123	Target	NA	pg/L	< 3.0 U	< 32 U	< 4,100 U	< 3,100 U	**8,100 J**	**4,500 J**	**25,000**	**110,000**	**140,000**	< 3,400 U	< 20 U
PCB 126	Target	NA	pg/L	< 3.4 U	< 37 U	< 4,800 U	< 3,700 U	< 4,900 U	< 3,500 U	< 5,300 U	**14,000 J**	**28,000**	< 4,000 U	< 20 U
PCB 156/PCB 157	Target	NA	pg/L	< 3.0 U	< 30 U	< 3,000 U	< 3,100 U	**81,000**	**40,000**	**26,0000**	**1,200,000**	**2,000,000**	< 3,000 U	< 29 U
PCB 167	Target	NA	pg/L	**4.7 J**	**34 J**	**8,500 J**	**2,200 J**	**22,000**	< 2,000 U	**70,000**	**340,000**	**55,0000**	< 2,000 U	< 19 U
PCB 170	Target	NA	pg/L	**7.4 J**	**80 J**	**19,000 J**	**3,200 J**	**44,000**	**22,000**	**160,000**	**750,000**	**1,000,000**	< 2,800 U	< 23 U
PCB 180/PCB 193	Target	NA	pg/L	< 2.3 U	< 32 U	< 3,600 U	< 2,500 U	**68,000**	**36,000 J**	**240,000**	**1,200,000**	**1,500,000**	**23,000 J**	< 19 U
PCB 189	Target	NA	pg/L	< 1.9 U	< 26 U	< 2,900 U	< 2,700 U	**2,900 J**	< 1,900 U	**7,100 J**	**34,000**	**54,000**	< 2,000 U	< 18 U
Dichlorobiphenyl (Total Dicb)	Derived	NA	pg/L	770	480,000	5,200,000 J	21,000,000	30,000,000	35,000,000	32,000,000	33,000,000	10,000,000	6,200,000	200,000 J
Heptachlorobiphenyls, Total	Derived	NA	pg/L	21 J	360 J	67,000 J	3,200 J	260,000 J	110,000 J	960,000 J	4,500,000 J	5,900,000 J	56,000 J	16 J
Hexachlorobiphenyls, Total	Derived	NA	pg/L	330 J	3,200 J	760,000 J	190,000 J	2,000,000 J	1,100,000 J	6,300,000 J	30,000,000 J	45,000,000 J	690,000 J	40 J
Monochlorobiphenyl (Total Mocb)	Derived	NA	pg/L	36	41,000 J	290,000 J	1,900,000	2,800,000	3,500,000	2,400,000	1,300,000	450,000	360,000	21,000
Nonachlorobipheny (Total Nocb)	Derived	NA	pg/L	< 0 U	< 0 U	< 0 U	< 0 U	3,500 J	< 0 U	9,800 J	51,000 J	71,000 J	< 0 U	< 0 U
Octachlorobiphenyl (Total Occb)	Derived	NA	pg/L	< 0 U	< 0 U	7,600 J	< 0 U	13,000 J	7900 J	76,000 J	460,000 J	580,000 J	1,600 J	< 0 U
Pentachlorobiphenyls, Total	Derived	NA	pg/L	620 J	33,000 J	3,000,000 J	2,500,000 J	5,500,000 J	3,800,000 J	14,000,000 J	62,000,000 J	81,000,000	2,300,000 J	990 J
TEQ Who1998 Bird ND=LQL	Derived	NA	pg/L	0.0041	0.059	16	1,200	4,000	2600	9,200	42,000	14,000	14	0
TEQ Who1998 Fish ND=LQL	Derived	NA	pg/L	0.00063	0.0085	2.1	3.5	14	8.3	36	230	270	1.9	0
Tetrachlorobiphenyl (Total Tecb)	Derived	NA	pg/L	1,100 J	120,000 J	4,200,000 J	7,900,000 J	13,000,000 J	11,000,000 J	24,000,000 J	85,000,000 J	37,000,000 J	2,700,000 J	7,700 J
Total PCBs	Derived	NA	pg/L	4,000 J	1,100,000 J	22,000,000 J	57,000,000 J	93,000,000 J	95,000,000 J	130,000,000 J	330,000,000 J	210,000,000 J	20,000,000 J	310,000 J
Total TEQ - Mammal	Derived	NA	pg/L	0.0038	0.051	13	9.1	41	24	110	1,900	3,500	11	0
Trichlorobiphenyl (Total Trcb)	Derived	NA	pg/L	1,100	400,000 J	8,300,000 J	24,000,000 J	40,000,000 J	40,000,000 J	53,000,000 J	110,000,000	29,000,000 J	7,200,000 J	76,000 J

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
pg/L = picograms per liter
< = less than the Reporting Limit.
-- = No sample collected.
N/A = Not applicable
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
Bold values were detected at concentrations at or above the Reporting Limit.

Table 4-6 Toxicity Equivalency (TEQ)

Sample Name	Sample Location	Sample Date	Toxic Equivalence (PCB Congener)1 (pg/L)	Toxic Equivalence (Dioxin/Furan)1 (pg/L)	Total Toxic Equivalence2 (pg/L)	ROD Criteria (pg/L)
LTM03-ERT4-4-S19	ERT-4	6/7/2019	0.0038	0.051	0.0548	10
LTM03-MW01A-SH-S19	MW-01A	6/11/2019	0.051	0.0019	0.0529	10
LTM03-MW11-SH-S19	MW-11	6/11/2019	13	0	13	10
LTM03-MW12-SH-S19	MW-12	6/11/2019	9.1	0	9.1	10
LTM03-MW14D-1-S19	MW-14D-1	6/12/2019	1,900	0	1,900	10
LTM03-MW14D-2-S19	MW-14D2	6/12/2019	41	0	41	10
FD061219-1	MW-14D-2	6/12/2019	24	0	24	10
LTM03-MW14D-3-S19	MW-14D3	6/12/2019	110	0	110	10
LTM03-MW14S-2-S19	MW-14S-2	6/12/2019	3,500	97	3,597	10
LTM03-MW14S-3-S19	MW-14S-3	6/12/2019	11	0	11	10
LTM03-MW16-7-S19	MW-16-7	6/11/2019	0	0	0	10

TEQ calculations were done using the Toxicity Equivalency Factors (TEFs) from Van den Berg et al. (2006); WHO's website on dioxin TEFs
Total TEQ is equal to the PCB TEQ plus the Dioxin/Furan TEQ
Note:
pg/L = Picograms per liter = Contract required quantitation limit.
PCB = Polychlorinated biphenyls
ROD = Record of Decision
Highlighted values meet or exceed Project Action Limits

Table 4-7 Data Validation Qualifiers

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier	**Inorganics**	**Organics**	**Chlorinated Dioxin/Furan**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted CRQL for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted CRQL or the sample specific estimated detection limit.
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	Not applicable
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	Not applicable
JEMPC	Not applicable	Not applicable	Reported analyte concentration has been reported as Estimated Maximum Possible concentration.
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting QC criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N	Not applicable	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	Not applicable
NJ	Not applicable	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	Not applicable

Notes:
CRQL = Contract required quantitation limit.
QC = Quality control

Table 6-1 Recommended Sampling Locations and Frequencies

Well ID	Northing	Easting	Water FLUTe™ Port Number	Sample Interval Top (ft bgs)	Sample Interval Bottom (ft bgs)	Pump Intake Depth (ft bgs)	Sampling Frequency	Analyses	Samples Per Year					
									TCL VOCs	Pesticides	PCB Aroclors	TAL Metals	Dioxins and Furans	PCB Congeners
Standard Monitoring Wells														
MW-01A	635224.38	516294.93	N/A	24	49	37	Annual	TCL VOCs, PCB Aroclors, Dioxins/Furans, PCB Congeners	1	---	1	---	1	1
MW-02A	635148.54	516638.44	N/A	24	49	37	Annual	TCL VOCs	1	---	---	---	---	---
MW-03	634873.98	516823.50	N/A	17	32	25	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals	1	1	1	1	---	---
MW-04	634674.67	516849.47	N/A	29	49	39	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals	1	1	1	1	---	---
MW-05	634420.79	517062.48	N/A	25	45.5	35	Annual	TCL VOCs, pesticides, PCB Aroclors	1	1	1	---	---	---
MW-06	634742.76	516541.56	N/A	29	44	37	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals	1	1	1	1	---	---
MW-07	634767.95	516091.88	N/A	43	58	51	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals	1	1	1	1	---	---
MW-08	634393.44	516377.17	N/A	42	57.5	50	Annual	TCL VOCs, pesticides, PCB Aroclors	1	1	1	---	---	---
MW-09	634398.32	516870.83	N/A	29	54	42	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
MW-10	634099.75	516752.16	N/A	37	52	45	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
MW-11	634516.26	516575.18	N/A	34	59	47	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals, Dioxins/Furans, PCB Congeners	1	1	1	1	1	1
MW-12	634622.67	516411.39	N/A	35	60	48	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals, Dioxins/Furans, PCB Congeners	1	1	1	1	1	1
FLUTe™ Wells														
ERT-1	634259.81	517002.19	1	24	29	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			2	33	43	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			3	46	56	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			4	59	64	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			5	67	77	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			6	100	105	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			7	112	117	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			8	135	140	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---

Table 6-1 Recommended Sampling Locations and Frequencies

Well ID	Northing	Easting	Water FLUTe™ Port Number	Sample Interval Top (ft bgs)	Sample Interval Bottom (ft bgs)	Pump Intake Depth (ft bgs)	Sampling Frequency	Analyses	Samples Per Year					
									TCL VOCs	Pesticides	PCB Aroclors	TAL Metals	Dioxins and Furans	PCB Congeners
ERT-2	634986.40	515901.59	1	25	35	N/A	Annual	TCL VOCs, PCB Aroclors, TAL Metals	1	---	1	1	---	---
			2	40	50	N/A	Annual	TCL VOCs, PCB Aroclors, TAL Metals	1	---	1	1	---	---
			4	70	75	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			5	97	107	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			6	113	123	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors	1	1	1	---	---	---
			7	127	137	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors	1	1	1	---	---	---
ERT-3	636202.86	516074.60	1	27	37	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	55	65	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	90	105	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	124	134	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	138	148	N/A	Annual	TCL VOCs	1	---	---	---	---	---
ERT-4	636126.60	515361.98	1	27	37	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	46	56	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	61	66	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	83	88	N/A	Annual	TCL VOCs, Dioxins/Furans, PCB Congeners	1	---	---	---	1	1
			5	91	106	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	111	116	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			7	128	138	N/A	Annual	TCL VOCs	1	---	---	---	---	---
ERT-5	634530.16	514490.15	1	24	34	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	37	47	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	50	60	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	77	87	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	93	98	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	120	130	N/A	Annual	TCL VOCs	1	---	---	---	---	---

Table 6-1 Recommended Sampling Locations and Frequencies

Well ID	Northing	Easting	Water FLUTe™ Port Number	Sample Interval Top (ft bgs)	Sample Interval Bottom (ft bgs)	Pump Intake Depth (ft bgs)	Sampling Frequency	Analyses	Samples Per Year					
									TCL VOCs	Pesticides	PCB Aroclors	TAL Metals	Dioxins and Furans	PCB Congeners
ERT-6	635220.22	514656.72	1	26	36	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	75	85	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	93	103	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	107	117	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	128	138	N/A	Annual	TCL VOCs	1	---	---	---	---	---
ERT-7	634330.28	515878.03	1	25	35	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			2	45	55	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			3	65	75	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			4	100	110	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			5	130	140	N/A	Annual	TCL VOCs, TAL Metals	1	---	---	1	---	---
ERT-8	633661.74	515730.93	1	17	27	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	31	41	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	44	54	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	87	97	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	107	112	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			7	135	145	N/A	Annual	TCL VOCs	1	---	---	---	---	---
MW-13	635179.85	517074.65	1	18	28	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	35	45	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	63	73	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	95	105	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	115	125	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	150	160	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			7	230	240	N/A	Annual	TCL VOCs	1	---	---	---	---	---

Table 6-1 Recommended Sampling Locations and Frequencies

Well ID	Northing	Easting	Water FLUTe™ Port Number	Sample Interval Top (ft bgs)	Sample Interval Bottom (ft bgs)	Pump Intake Depth (ft bgs)	Sampling Frequency	Analyses	Samples Per Year					
									TCL VOCs	Pesticides	PCB Aroclors	TAL Metals	Dioxins and Furans	PCB Congeners
MW-14S	634528.25	516595.58	1	30	35	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals, Dioxins/Furans, PCB Congeners	1	1	1	1	1	1
			2	41	46	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals, Dioxins/Furans, PCB Congeners	1	1	1	1	1	1
			3	55	60	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals, Dioxins/Furans, PCB Congeners	1	1	1	1	1	1
			4	65	70	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals, Dioxins/Furans, PCB Congeners	1	1	1	1	1	1
MW-14D	634521.70	516591.77	1	80	85	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors, Dioxins/Furans, PCB Congeners	1	1	1	---	1	1
			2	123	133	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors, Dioxins/Furans, PCB Congeners	1	1	1	---	1	1
			3	199	209	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors, Dioxins/Furans, PCB Congeners	1	1	1	---	1	1
MW-15S	634356.06	516414.60	1	30	40	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors	1	1	1	---	---	---
			2	70	80	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors	1	1	1	---	---	---
MW-15D	634367.62	516420.05	1	125	135	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors	1	1	1	---	---	---
			2	185	195	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors	1	1	1	---	---	---
MW-16	635232.87	516283.83	1	20	30	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			2	40	50	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			3	85	95	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			4	108	118	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			5	135	145	N/A	Annual	TCL VOCs, pesticides, PCB Aroclors, TAL Metals	1	1	1	1	---	---
			6	170	180	N/A	Annual	TCL VOCs, PCB Aroclors, TAL Metals	1	---	1	1	---	---
			7	195	205	N/A	Annual	TCL VOCs, PCB Aroclors, TAL Metals, Dioxins/Furans, PCB Congeners	1	---	1	1	1	1
MW-17	634981.53	515908.37	1	170	180	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			2	205	215	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			3	235	245	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
MW-18	634620.157	514526.64	1	160	170	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	210	220	N/A	Annual	TCL VOCs	1	---	---	---	---	---

Table 6-1 Recommended Sampling Locations and Frequencies

Well ID	Northing	Easting	Water FLUTe™ Port Number	Sample Interval Top (ft bgs)	Sample Interval Bottom (ft bgs)	Pump Intake Depth (ft bgs)	Sampling Frequency	Analyses	Samples Per Year					
									TCL VOCs	Pesticides	PCB Aroclors	TAL Metals	Dioxins and Furans	PCB Congeners
MW-19	638511.33	515674.60	1	65	75	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	132	142	N/A	Annual	TCL VOCs, TAL Metals	1	---	---	1	---	---
			3	200	210	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	257	267	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	367	377	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	480	490	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			7	545	555	N/A	Annual	TCL VOCs	1	---	---	---	---	---
MW-20	637131.70	516081.83	1	25	35	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	85	95	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	125	135	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	175	185	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	205	215	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	250	260	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			7	297	307	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			8	355	365	N/A	Annual	TCL VOCs	1	---	---	---	---	---
MW-21	637069.08	514929.26	1	50	60	N/A	Annual	TCL VOCs, TAL Metals	1	---	---	1	---	---
			2	87	97	N/A	Annual	TCL VOCs, TAL Metals	1	---	---	1	---	---
			3	150	160	N/A	Annual	TCL VOCs, TAL Metals	1	---	---	1	---	---
			4	205	215	N/A	Annual	TCL VOCs, TAL Metals	1	---	---	1	---	---
			5	260	270	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	428	438	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			7	485	495	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			8	505	515	N/A	Annual	TCL VOCs	1	---	---	---	---	---

Table 6-1 Recommended Sampling Locations and Frequencies

Well ID	Northing	Easting	Water FLUTe™ Port Number	Sample Interval Top (ft bgs)	Sample Interval Bottom (ft bgs)	Pump Intake Depth (ft bgs)	Sampling Frequency	Analyses	Samples Per Year					
									TCL VOCs	Pesticides	PCB Aroclors	TAL Metals	Dioxins and Furans	PCB Congeners
MW-22	636938.91	517636.13	1	45	55	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	125	135	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	210	220	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	305	315	N/A	Annual	TCL VOCs	1	---	---	---	---	---
MW-23	639092.88	516922.12	1	60	70	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	120	130	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	170	180	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	226	236	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	258	268	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	316	326	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			7	350	360	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			8	406	416	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			9	444	454	N/A	Annual	TCL VOCs	1	---	---	---	---	---
MW-24	638899.68	515169.23	1	85	95	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	135	145	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	240	250	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	332	342	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	370	380	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	455	465	N/A	Annual	TCL VOCs	1	---	---	---	---	---
MW-25	638775.91	518893.25	1	85	95	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	175	185	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	200	210	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	275	285	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	345	355	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	435	445	N/A	Annual	TCL VOCs	1	---	---	---	---	---

Table 6-1 Recommended Sampling Locations and Frequencies

Well ID	Northing	Easting	Water FLUTe™ Port Number	Sample Interval Top (ft bgs)	Sample Interval Bottom (ft bgs)	Pump Intake Depth (ft bgs)	Sampling Frequency	Analyses	Samples Per Year					
									TCL VOCs	Pesticides	PCB Aroclors	TAL Metals	Dioxins and Furans	PCB Congeners
MW-26	639446.37	519059.07	1	95	105	N/A	Annual	TCL VOCs,TAL Metals	1	---	---	1	---	---
			2	175	185	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	255	265	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	305	320	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	385	395	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			6	455	465	N/A	Annual	TCL VOCs	1	---	---	---	---	---
MW-27	638775.91	518893.25	1	85	95	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			2	180	190	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			3	225	235	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			4	370	380	N/A	Annual	TCL VOCs	1	---	---	---	---	---
			5	460	470	N/A	Annual	TCL VOCs	1	---	---	---	---	---
Former Production Well (FPW)	634996.33	516664.59	1	31	41	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			2	46	51	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			3	100	110	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			4	125	135	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			5	180	190	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			6	200	205	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			7	235	245	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1		---	---
			8	268	278	N/A	Annual	TCL VOCs, PCB Aroclors	1	---	1	---	---	---
			9	300	310	N/A	Annual	TCL VOCs, PCB Aroclors, TAL Metals	1	---	1	1	---	---

Table 6-1 Recommended Sampling Locations and Frequencies

NOTES:
--- = No sample collected
ID = Identification
ft = feetbgs = below ground surface
FLUTeTM = Flexible Liner Underground Technology, Ltd. P.C
N/A = Not applicable
PCB = Polychlorinated biphenyl
SOP = Standard operating procedure
SVOC = Semi volatile organic compound
SOP = Standard operating procedure
TAL = Target analyte list
TCL = Target compound list

Appendix A

Field Notes
and Field Forms

A1. Spring 2019 Field Book
A2. Spring 2019 Daily Contractor Quality Control Forms

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1/1

CORNELL-DUBILIER SUPERFUND SITE

333 HAMILTON BLVD., S. PLAINFIELD 6/3/19

PM: A. KOHN (EA), SITE MANAGER - SSOLOMER

Wx PT. CLOUDY, W 15 mph, 68F AM

CLEAR, NW 15 mph, 65F PM

0655 EA ON SITE: SSOLOMER, J MAKAR, G REEDER, J MORRISEY

TASK - SYNOPTIC GAUGING OF ALL ON- & OFFSITE WELLS

PPE - HARD HAT (WHEN ON SITE), STEEL TOE BOOT, SAFETY GLASSES & VEST, TRAFFIC CONES

EQUIP - 1 ppbRAE PID; 2 HERON SKINNY DIPPER WATER LEVEL METERS

0700 TAILGATE SAFETY MEETING (TGSM); SIGN IN; CALIBRATE PID (INFO ON SHEET)

0730 - 1630 - GAUGING OF ALL MONITORING WELLS; INSPECTIONS OCCURRED IN MAY 2019; ALL INFO ON APPROPRIATE SHEETS

1530 SSOLOMER OFFSITE TO PINE ENVIRONMENTAL TO RETURN PID & PICK UP 1 HORIBA U52

1630 ALL EA PERSONNEL OFFSITE

06/03/19

CORNEL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD, S PLAINFIELD, NJ Date: 6/4/19 1/1

PM: A KOHN; SITE MANAGER - SSOLOMER

Wx CLEAR, W 5 mph, 55F AM

" , " 65-70F PM

0655 EA ONSITE - SSOLOMER, J MARRA, G REEDER, J MORRISSEY

TASK - PURGE & SAMPLE ERT-6 (PORTS 1-5), ERT-5 (PORTS 1-6), & MW-18 (PORTS 1-2)

PPE - SAME AS 6/4/19

EQUIP - HERON SKINNY DIPPER WATER LEVEL METERS, HORIBA U52 (21227 & 36835

0700 TGSM, SIGN IN, TALK W/ P. NEHLAND (USACE) ABOUT SCHEDULE; GATHER EQUIPMENT

0715 BEGIN ON ERT-6, PORTS 1-5

1000-1005 SAMPLE FOR VOC, PORTS 1-4; VOC + PCB-A - PORT 5 (0900 C. CAMPBELL - E4 ONSITE)

CLEAN UP

1030 MOBILIZE TO MW-18 & ERT-5, BEGIN PURGING

1227 SAMPLE MW-18, PORT 1 FOR VOC; PORT 2 FOR VOC/METALS

1258 SAMPLE ERT-5, PORTS 1-5 FOR VOC, PORT 6 FOR VOC + PCB-A

1310-1330 CLEAN UP, RETURN TO SITE

1330-1530 PACK UP, TRANSFER PURGE WATER TO DRUMS

1570 OFF SITE

06 OCT 19

SFC SJ

CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD Date: 06/05/19

PM: A KOHN, SITE MANAGER - S. SOLDNER

WX PT. CLOUD, WS-10 mph, 60-65 F AM
HAZY, NW 10 mph, 70-75 F PM

0700 EA ONSITE: SSOLDNER, J MARRA, J MORRISSEY, GREEDER

TASK: SAMPLE FLUTE MONITORING WELLS: MW19, MW24, ERT 8, MW 13

PPE: SAME AS PREVIOUS; EQUIP: SAME AS PREVIOUS

0700: TGSM; GATHER (CALIBRATE) EQUIPMENT

0730: MORRISSEY/REEDER to MW19; SOLDNER/MARRA to ERT-8

740: DUE TO CHURCH FUNCTION, ERT8 INACCESSIBLE; MARRA/SOLDNER to MW20

0952 SAMPLE MW20, PORTS 1-4 FOR VOC; FD-060519-01 COLLECTED @ PORT 4

1007 SAMPLE MW19, PORTS 1-4 FOR VOC; PORT 2 ALSO METALS

1135 SAMPLE MW20, PORTS 5-8 FOR VOC

1213 SAMPLE MW19, PORTS 5-7 FOR VOC; PORT 5 ALSO METALS, PORT 7 FD-060519-02

~~1330 SOLDNER/MARRA ON~~ 06 05 19

1130-1230 LUNCH & RETURN PURGE WATER TO DRUM STAGING AREA ONSITE FOR CONTAINERIZATION

1300 MORRISSEY/REEDER TO MW24; SOLDNER/MARRA TO MW 13

1330 BOTH TEAMS BEGIN PURGING

CORNELL DUBILIER SITE

Worksite: 333 HAMILTON BLVD Date: 06/05/19

1408 MW13 CHANGE OUT AIR TANK

1522 BEGIN SAMPLE COLLECTION ON MW13, PORTS 1-7; VOC FOR ALL PORTS; METALS FOR PORTS 3 & 4; FD-060519-03 @ PORT 4

1618 BEGIN SAMPLE COLLECTION ON MW24, PORTS 1-6; VOC & PCBA FOR ALL PORTS; METALS ALSO PORT 1

1600- BACK TO SITE FOR CONTAINERIZING PURGE

1645 WATER; EQUIPMENT CLEANUP; FIELD BLANK COLLECTION @ 1530

1710 OFF SITE TO LABEL/SHIP SAMPLES TO SHEALY IN W COLUMBIA, SC; METALS SAMPLES ON ICE

ANALYSIS ON COCS; PURGE INFO ON FLUTE PURGE LOGS; CAL INFO, DECON, IDW, SAMPLE PACK ON ~~APPROPRIATE~~ FORMS

06 05 19

Rite in the Rain

CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD, SPLAINFIELD, NJ Date: 06/06/19

PM: A. KOHN, SITE MANAGER - SSOLDNER

WX CLEAR, N 10mph, 70F AM

CLEAR, NW 10mph, 75F PM

0700 EA ONSITE: SSOLDNER/JMARRA (TEAM 1), JMORRISSEY/GREEDER (TEAM 2)

TASK: SAMPLE FLUTe MONITORING WELLS ERT3, ERT7 MW26, MW22, MW23

PPE: SAME AS PREVIOUS, EQUIP: SAME AS PREVIOUS

0700 TSM, GATHER EQUIPMENT, CALIBRATE HORIBA (SEE CAL. FORMS & CHECKLIST)

715 TEAM 1 TO ERT3, TEAM 2 TO MW22

0740 TEAM 1 BEGIN PURGE; SEE PURGE FORMS FOR ALL COLLECTED DATA DURING PURGING

0800 TEAM 2 BEGIN PURGING,

0844 TEAM 1 SAMPLE ERT-3 FOR VOC ALL PORTS PORT 4 CLOGGED ~~[illegible]~~ FOR SS 060619. SEE SAMPLE COLLECTION FORMS

0943 TEAM 2 SAMPLE MW22 FOR VOC ALL PORTS, METALS PORT 4, PCB-A PORT 3

0934 TEAM 1 BEGIN PURGE ERT7

1051 TEAM 1 SAMPLE ERT7 FOR VOC/PCB-A ALL PORTS, METALS PORT 5; MS/MSD (NOT FOR VOC) @ PORT 5

1134 TEAM 2 BEGIN PURGE MW23, PORTS 1-5;

CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD., SOUTH PLAINFIELD, NJ Date: 060619

1230 TEAM 1 TO MW-26; SETUP & BEGIN PURGE

1307 TEAM 2 SAMPLE MW23, PORTS 1-5

1320 TEAM 2 BEGIN PURGE MW23, PORTS 6-9

1428 TEAM 1 BEGIN SAMPLE MW26

1458 TEAM 2 BEGIN SAMPLE MW 23 PORTS 6-9

1500-1600 CLEAN UP; OFFSITE TO PACK/SHIP; SEE PACK/SHIP CHECKLIST, 1520-FB, 1530 TB

1730 SHIP PCB-A & VOC TO SHEALY IN SOUTH CAROLINA OVERNIGHT

060617

[signature]

Rite in the Rain

CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD., SOUTH PLAINFIELD, NJ Date: 06/07/19

PM: A KOHN, SITE MANAGER: S SOLDNER

WX CLEAR, N 5 mph, 77 F AM

HAZY, SW 5 mph, 72 F PM

0700 EA ON SITE: SOLDNER/MARRA (TEAM 1), MORRISSEY/REEDER (TEAM 2)

TASK: SAMPLE FLUTe MONITORING WELLS: ERT-4, MW-21, MW-25, MW-27

SAMPLE ERT-3 · PORT 3 FOR PCB-A DUE TO OVERSIGHT BY FIELD PERSONNEL ON 06/06/19

PPE & EQUIP: SAME AS PREVIOUS

0700 TGSM, GATHER EQUIP., CAL HORIBAS; SEE INST. CAL FORM & CHECKLIST

0730 TEAM 1 TO ERT-3, PORT 3; PERFORM ONE PURGE, THEN SAMPLE @ 0745 FOR PCB-A

0730 TEAM 2 TO MW25, SETUP & BEGIN PURGE; SEE PURGE FORMS FOR DATA; SEE DECON CHECKLIST FOR DECON BETWEEN PORTS/WELLS; SEE IDW CHECKLIST FOR CONTAINERIZING PURGE/DECON WATER

0750 TEAM 1 TO ERT-4; BEGIN PURGE

0917 TEAM 1 SAMPLE ERT-4, ALL PORTS; SEE SAMPLE COLLECTION CHECKLIST

0947 TEAM 2 SAMPLE MW25

0950 TEAM 1 TO MW21, BEGIN PURGING

CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD, SOUTH PLAINFIELD, NJ Date: 06/07/19

1100 TEAM 2 TO MW27, BEGIN PURGE

1230 TEAM 1 BEGIN SAMPLE MW21

1250 TEAM 2 BEGIN SAMPLE MW27

1330-1430 EQUIP CLEANUP, FB COLLECTION @ 1320 TB @ 1310; OFFSITE

1430-1600 PACK COOLERS, SEE SAMPLE PACK/SHIP CHECKLIST; WAIT FOR LABELS

1730 SHIP PCB-A & VOC TO SHEALY OVERNIGHT

1600-1730 SOLDNER TO CHEMTECH TO DELIVER METALS SAMPLES

06/07/19

Rite in the Rain

CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD. S. PLAINFIELD, NJ Date: 06/10/19

PM A. KOHN, SITE MANAGER - S. SOLDNER

Wx OVERCAST, RAIN, SW 5-10, 65F AM
SAME PM

0700 EA ONSITE: S SOLDNER, J MARRA, J MORRISSEY, G REEDER
'TEAM 1' 'TEAM 2'

TASK: SAMPLE FLUTE MONITORING WELLS: ERT-1, MW15-S, MW15-D; SHALLOW MW (BLADDER PUMP): MW02A, MW03, MW05, MW08, MW09, MW10, MW24

PPE/EQUIP: SAME AS PREVIOUS + 2 BLADDER PUMPS w/ QED MP-50 CONTROL BOXES

0700 TGSM, GATHER EQUIP; CALIBRATE HORIBAS; SEE INSTRUMENT CAL. FORM & CHECKLIST

0720 TEAM 1 TO MW02A; TEAM 2 TO ERT-1; BOTH TEAMS SETUP, BEGIN PURGING; SEE PURGE FORMS; SEE DECON CHECKLIST FOR DECON B/T PORTS/WELLS; SEE IDW CHECKLIST FOR CONTAINERIZING PURGE/DECON WATER

0835 TEAM 1 SAMPLE MW02A; SEE SAMPLE COLLECTION CHECKLIST

0910 TEAM 1 TO PINE IN NEW WINDSOR, NJ TO PICK UP 2ND BLADDER PUMP SETUP

1007 TEAM 2 SAMPLE ERT-1

1040 TEAM 1 ONSITE, MARRA TO MW03; SOLDNER TO MW10; BEGIN PURGING

CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD. S. PLAINFIELD, NJ Date: 06/10/19

1236 SAMPLE MW10; MOVE TO MW05; BEGIN PURGING

1330 AFTER PURGING BUT PRIOR TO SAMPLING, RUNOFF RAIN WATER FLOODED MW03; NO SAMPLING; TO RE-EVALUATE 6/11

1412 BEGIN PURGE MW15S & MW15D, TEAM 2

1505 SAMPLE MW05

1515 MARRA TO MW09, SOLDNER TO MW08

1520 GREEDER TO MW25 & MW27 TO RESAMPLE DUE TO COOLER TEMP. ISSUE UPON LAB RECEIPT 0610; SAMP FROM 06/07

1549 SAMPLE MW09

1555 SAMPLE MW25

1627 SAMPLE MW08

1700 SAMPLE MW27

1645 SAMPLE MW15S & MW15D

1705 COLLECT FB; COLLECT TB @ 1715

1730 OFFSITE TO PACK/SHIP SAMPLES FROM 0607 (PCB-C & DIOXIN) TO CAPE FEAR, NC PACK/ICE ALL OTHER SAMPLES; HOLD TEAM 1

1615 OFFSITE TEAM 2 SEE SAMPLE PACK/SHIP CHECKLIST

06/10/19

Rite in the Rain

1/2

CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD., S. PLAINFIELD, NJ Date: 06/11/19

PM: AKOHN ; SITE MANAGER: SSOLOMER

WX CLEAR, W 5mph 70F AM

CLEAR, SW 8mph 75F PM

0700: EA ONSITE - SSOLOMER, JMARRA (TEAM 1); JMORRISSEY, GREEDER (TEAM 2)

TASK: SAMPLE SHALLOW BR (BLADDER) WELLS: MW01A, MW06, MW07, MW11, MW12, MW01; PUMP MW03 RINSATE SAMPLE FLUTE WELLS: ERT-8, MW1C, FPW

PPE/EQUIP: SAME AS 0610

0700 TGSM, GATHER EQUIP, CAL. HORIBAS; SEE INST. CAL. FORM & CHECKLIST

0715 TEAM 1 TO MW01A & MW06, TEAM 2 TO ERT8;

SS06/11/19 0823 BEGIN PURGE; SEE PURGE LOGS FOR DATA, SEE DECON

0823 CHECKLIST FOR DECON B/T PORTS/LOCATIONS; SEE FDW CHECKLIST FOR CONTAINERIZED PURGE WATER & DECON WATER

0823 SAMPLE MW01A; SEE SAMPLE COLLECTION CHECKLIST

0845 ONE BLADDER PUMP CONTROL BOX NOT WORKING; SSOLOMER TO PINE ENV.

0953 TEAM 2 BEGIN SAMPLE ERT8

1100 SOLOMER TO MW12; MARRA CONTINUE W/ MW06 DUE TO HIGH (>50 NTU) TURBIDITY

1208 SAMPLE MW12 + MS/MSD

CORNELL DUB. SUPERFUND SITE

Worksite: 333 MAIN. BLVD. SPLAINFIELD NJ Date: 06/11/19

1415 SAMPLE MW06 DESPITE >50NTU TURB.; PURGED FOR 4+ HOURS

1431 SAMPLE MW16

1430 SAMPLE MW11

1445 MAAA PURGE 4 CONTAINERIZE RUNOFF WATER (5 GAL) FROM MW03

1619 SAMPLE MW07

1715 SAMPLE MW04

1813 SAMPLE FPW

1715 SAMPLE FB, 1730 TB

1900 ACC SAMPLES PACK/ICE; NO SHIPMENT; SEE SAMPLE PACK CHECKLIST

1945 OFF SITE

06/11/19

Rite in the Rain.

CORNELL DUBILIER SUPERFUND SITE
333 HAMILTON BLVD, S PLAINFIELD NJ 06/12/19

PM: AKOHN, SITE MANAGER SSOCONER

VX CLEAR, 5 W mph 70F AM
CLEAR 10-15 W mph 70F PM

0700 E4 ONSITE - SSOCONER, JMARRA (TEAM1), JMORRISEY, GREEDER (TEAM 2)

TASK: SAMPLE FLUTE WELLS: 14S/D, ERT2, MW03
SAMPLE BLADDER WELLS: MW03, RESAMPLE ERT4, MW20 (P.4&5) MW21, ERT3-3

PPE/EQUIP: SAME AS 061119

0700 TGSM, GATHER EQUIP., CAL. HORIBAS, SEE INST. CAL CHECKLIST

0720 TEAM 1 TO ERT2/MW17, TEAM 2 TO MW14 S/D, BEGIN PURGE; SEE PURGE LOGS FOR DATA; SEE DECON CHECKLIST FOR DECON P/T PORTS/LOCATION; SEE IDW CHECKLIST FOR CONTAINERIZING DECON + PURGE WATER

0932 SAMPLE ERT-2; SEE SAMP. COLL. CHECKLIST

1001 SAMPLE MW14S

1005 SAMPLE MW14D

1010 SAMPLE MW17

1210 RESAMPLE MW20, P4S

1235 RESAMPLE MW21

1320 RESAMPLE ERT 3-3 FOR PCB ONLY

1430 RESAMPLE ERT 4-4

CORNELL DUBILIER SUPERFUND SITE
333 HAMILTON BLVD. S PLAINFIELD NJ 06/12/19

1411 SAMPLE MW03

1415 SAMPLE FB, 1425 TB

1430-2000 BOTH TEAMS PACK SAMPLES FOR DELIVERY ~6/13-6/17; SEE SAMP. PACKING CHECKLIST; TO COMPLETE PACKING 6/13 AM DUE TO DARKNESS

2000 OFF SITE

06/12/19

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CORNELL DUBILIER SUPERFUND SITE

Worksite: 333 HAMILTON BLVD., SPLAINFIELD, NJ Date: 06/13/19

PM: AKONN, SITE MANAGER - SSOLOMER

W/D RAIN, SW 10 mph 60F AM
CLEAR, CALM 70F PM

0700 EA ONSITE: SSOLOMER, JMARRA, GREEDER, JMORRISSEY
- TASK: PACK/ICE SAMPLES FOR TRANSPORT & DELIVERY TO SHEALY LABS, CAPE FEAR ANALYTICAL, & CHEMTECH LABS; PACK/LOAD EQUIPMENT, RETURN EQUIPMENT TO PINE ENV., DEMOBILIZE
- PPE SAME AS 6/12/19; EQUIP SAME, TO BE PACKED & RETURNED
- TGSM, BEGIN PACKING/LABELING/ICING FOR SAMPLE TRANSPORT
* SEE SAMPLE PACK/SHIP CHECKLIST *

1230 ACCORDING TO SCRIBE COC, NEEDED METALS SAMPLES FROM MW66 & MW155/0; EA CAL'D HORIBA, PURGED & SAMPLED WELLS FOR METALS; SEE CAL FORM & INST. CAL. CHECKLIST, SEE DECON CHECKLIST, SEE SAMPLE COLLECTION CHECKLIST, SEE IDW CHECKLIST

1530 COMPLETED ICE/LABEL/PACKING SAMPLES; GREEDER DELIVER METALS TO CHEMTECH, JMORRISSEY TO RETURN EQUIP TO PINE, SSOLOMER TO DELIVER MANIFOLD TO SOVEREIGN; SAMPLES TO SHEALY & CAPE FEAR

06/13/19

Cornell Dubilier Superfund Site

Worksite: 333 Hamilton Blvd, S Plainfield, NJ. Date: 06/18/19

PM: AKohn, Site Man. Soldner

Wx CLEAR, CALM, 70F AM

CLEAR, CALM, 80F PM

- TASK: RE-ICE SAMPLES, SEAL COOLERS, DELIVER SAMPLES TO SHEALY LABS & CAPE FEAR ANALYTICAL

0400 SSoldner RE-ICE ALL COOLERS FOR DELIVERY @ SHEALY LABS IN West Columbia, SC; ALL COOLERS SEALED W/ CUSTODY SEALS (x2)

0630 DELIVERED 27 COOLERS TO SHEALY LABS; 4 VOC COOLERS, 23 W/ PCB-A & PESTICIDES; SAMPLE COOLERS W/ TEMP BLANKS.

0715 SSoldner RE-ICED ALL COOLERS FOR DELIVERY TO CAPE FEAR ANALYTICAL IN North Carolina; ALL COOLERS W/ TEMP BLANK & SEALED W/ CUSTODY SEALS (x2);

1130 DELIVERED 5 COOLERS TO CAPE FEAR; PCB-C & Dioxin/Furan

1200 SSoldner TO RETURN TO Syracuse NY

06/19/19

Rite in the Rain.

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE: 060319	**Prepared by:** Stephen Soldner

Personnel Onsite:	Justin Marra
	Jessica Morrissey — Field Samplers
	Grant Reeger
	Stephen Soldner - Site Manager, Field Sampler

Arrive at site: 0700 (am)
Leave site: 1630 (pm)

Weather	Bright Sun	(Clear)	Overcast	Rain	Snow
Temperature	To 32 º F	32 to 50 º F	(50 to 70 º F)	70 to 85 º F	85+ º F
Wind	Still	(Moderate)	High		
Humidity	Dry	(Moderate)	Humid		

Temperature º F	69	(am)	67	(pm)
Humidity	39	(am)	30	(pm)
Wind direction	W	(am)	NW	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

Material Deliveries

None

Inspections Conducted:

Daily Safety; spoke w/ P. Wetland (USACE) regarding schedule.

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Description of Field Activities:

GAUGED ALL ON- AND OFF-SITE WELLS. SEE GAUGING SHEET FOR DATA. GAUGING PERFORMED W/ HERON SKINNY DIPPER, DIPPER-T WATER LEVEL MEASURE.

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

NONE. WELLS ASSESSED/INSPECTED IN MAY 2019.

Proposed Plan for Next Day

PURGE & SAMPLE FLUTE WELLS: ERT-5, ERT-6, MW-18 ALL PORTS.

Attachments

CHECKLISTS: - INST. CAL
- FIELD DOC.
- DECON.

GAUGING FORM

HEALTH & SAFETY REPORT

SAFETY INSPECTION

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE: 06/04/2019	**Prepared by:** Stephen Soldner

Personnel Onsite:	Justin Marra – Field Sampler
	Jessica Morrissey – Field Sampler
	Grant Reeder – Field Sampler
	Charlie Campbell – QA/QC Officer
	Stephen Soldner – Site Manager/Field Sampler

Arrive at site: 0700 (am)
Leave site: 1530 (pm)

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temperature	To 32 º F	32 to 50 º F	50 to 70 º F	70 to 85 º F	85+ º F
Wind	Still	Moderate	High		
Humidity	Dry	Moderate	Humid		

Temperature º F	68	(am)	75	(pm)
Humidity	29	(am)	38	(pm)
Wind direction	W	(am)	WSW	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

Material Deliveries

None

Inspections Conducted:

- Safety (Daily)
- Spoke w/ P. Nejand in re: Progress/Schedule
  ↳ USACE

Description of Field Activities:

PURGED & SAMPLED ERT-6, ERT-5, MW-18 (ALL PORTS).
DECON ~~WATER~~ LEVEL METER
CONTAINERIZED FDW
CAL'ED ~~EQ~~ HORIBAS + BUMP-CAL MID-DAY
PACKED COOLERS W/ SAMPLES & ICE

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

NONE.
C. CAMPBELL (EA-QA/QC OFFICER) ON SITE

Proposed Plan for Next Day

PURGE & SAMPLE FLUTe WELLS: MW-13, MW-20, MW-19, MW-24
ALL PORTS

Attachments

CHECKLISTS: - FIELD DOC. - SAMPLE COLLECTION
- INST. CAL. - SAMPLE PACK/SHIP
- DECON.
- FDW
H&S ACTIVITY PURGE FORMS
SAFETY INSPECTION

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE: 06/05/19	**Prepared by:** Stephen Soldner

Personnel Onsite:	Justin Marra
	Jessica Morrissey > Field Samplers
	Grant Reeger
	Stephen Soldner – Site Manager / Field Sampler

Arrive at site: (am)
Leave site: (pm)

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temperature	To 32 º F	32 to 50 º F	50 to 70 º F	70 to 85 º F	85+ º F
Wind	Still	~~Moderate~~	High		
Humidity	Dry	~~Moderate~~	Humid		

Temperature º F	73	(am)	78	(pm)
Humidity %	59	(am)	62	(pm)
Wind direction	SW	(am)	SW	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

Material Deliveries

None

Inspections Conducted:

- Safety (Daily)
- Spoke w/ P. Nejami (USACE) in re: Progress/Sched.

Description of Field Activities:

- Purged & sampled: MW-13, MW-19, MW-20, MW-24
- Decon water level meter
- Containerized IDW
- Cal'ed Horibas w/ Bump-cal mid-day
- Packed coolers w/ Ice, bubble wrap, & samples
- Shipped VOC & PCB-A to Shealy
  - Held metals

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

None

Proposed Plan for Next Day

Purge & sample FLUTe wells:
all ports

Attachments

Checklists: - Field Doc. - IDW
- Inst. Cal. - Sample Coll.
- Decon - Samp. Pack/Ship

H2S Activity
Purge forms
Safety Inspection

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE:	06/06/19	**Prepared by:**	Stephen Soldner

Personnel Onsite:	Justin Marra
	Jessica Morrissey — Field Samplers
	Grant Reeder
	Stephen Soldner – Site Manager / Field Sampler

Arrive at site: (am)
Leave site: (pm)

Weather	Bright Sun	(Clear)	Overcast	Rain	Snow
Temperature	To 32 º F	32 to 50 º F	(50 to 70 º F)	70 to 85 º F	85+ º F
Wind	Still	(Moderate)	High		
Humidity	Dry	(Moderate)	Humid		

Temperature º F	81	(am)	79	(pm)
Humidity %	54	(am)	45	(pm)
Wind direction	W	(am)	NW	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

Material Deliveries

None

Inspections Conducted:

- Daily Safety
- Spoke w/ P. Nejand (USACE) in RE: Progress/Sched.

Description of Field Activities:

- Purge/Sample: ERT-3, ERT-7, MW23, MW22, MW26
- Decon WLM
- Containerized IDW
- Cal'd Horibas w/ mid-day Bump-Cal
- Packed/Iced coolers
- Shipped VOC/PCB-A to Shealy
- Held Metals

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

None.

Proposed Plan for Next Day

Purge & sample Flute wells: ERT-4, MW21, MW25, MW27 all ports

Attachments

Checklists: - Field Doc. - IDW
- Inst. Cal. - Sample Coll.
- Decon. - Samp Pack/Ship

H&S Activity Purge forms
Safety Insp.

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE: 060719	**Prepared by:** Stephen Soldner

Personnel Onsite:	Justin Marra
	Jessica Morrissey > Field Samplers
	Grant Reeder
	Stephen Soldner – Site Manager, Field Sampler

Arrive at site: ~~0700~~ (am)
Leave site: 1400 (pm)

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temperature	To 32 º F	32 to 50 º F	50 to 70 º F	70 to 85 º F	85+ º F
Wind	Still	~~Moderate~~	High		
Humidity	Dry	~~Moderate~~	Humid		

Temperature º F	77	(am)	72	(pm)
Humidity %	48	(am)	75	(pm)
Wind direction	N	(am)	SSE	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

Material Deliveries

None

Inspections Conducted:

- Daily Safety
- Spoke w/ P. Nejand

Description of Field Activities:

- PURGE/SAMPLE: ERT-4, MW21, MW25, MW27
- DECON WLM
- CONTAINERIZED IDW
- CAL'D HORIBAS, MID-DAY BUMP-CAL
- PACKED/ICED COOLERS
- SHIPPED VOC/PCB-A TO SHEALY
- DELIVERED METALS TO CHEMTECH
- HELD PCB-C/DIOXINS

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

NONE.

Proposed Plan for Next Day

PURGE & SAMPLE: ERT-1, MW 15S, MW 15D, MW02A, MW03, MW04, MW05 MW 08, MW 10

Attachments

CHECKLISTS: FIELD. DOC. - SAMPLE COLL.
- IDW - SAMPLE PACK/SHIP
- DECON - INST. CAL

H&S ACTIVITY
SAFETY INSP.

PURGE FORMS

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE: 06/10/2019	**Prepared by:** Stephen Soldner

Personnel Onsite:	Justin Marra – Field Sampler
	Jessica Morrissey – Field Sampler
	Grant Reeder – Field Sampler
	Stephen Soldner – Site Manager/Field Sampler

Arrive at site: 0700 (am)
Leave site: 1800 (pm)

Weather	Bright Sun	Clear	Overcast	Rain	Snow
Temperature	To 32 º F	32 to 50 º F	50 to 70 º F	70 to 85 º F	85+ º F
Wind	Still	Moderate	High		
Humidity	Dry	Moderate	Humid		

Temperature º F	63F	(am)	65	(pm)
Humidity	100	(am)	100	(pm)
Wind direction	SW 10	(am)	SW	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

Material Deliveries

NONE.

Inspections Conducted:

DAILY SAFETY.
SPOKE W/ P. NESAND REGARDING SEMED./PROG.

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Description of Field Activities:

- PURGE / SAMPLE: ERT-1, MW15S, MW15D, MW02A, MW09, MW08, MW10, MW05
  - RESAMPLE*: MW25, MW27
- DECON WLM & BLADDER PUMPS
- CONTAINERIZED IDW
- CAL'D HORIBAS, MID-DAY BUMP CAL
- PACKED/ICED COOLERS
- SHIPPED PCB-C & DIOXIN TO CAPE FEAR ANALYTICAL (CAPEFEAR, NC)
- HELD PCB-A, VOC, METALS, PEST.

*COOLER DELIVERED TO SHEALY 6/10 AM (SHIPPED 06/07) OUT OF TEMPERATURE. TO RE-SAMPLE DURING WEEK

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

AS PERSONNEL WAS PREPARING TO SAMPLE MW-03, RUNOFF WATER FROM SITE (DUE TO HEAVY RAIN) FLOODED WELL & SURROUNDING AREA. TO PURGE RUNOFF FROM ANNULAR WELL SPACE ON 6/11 AM (IE, WHEN SURFICIAL WATER HAS DRAINED FROM AREA). WILL CONTAINERIZE PURGE WATER. WILL RE-PURGE & SAMPLE 6/12.

Proposed Plan for Next Day

SAMPLE BLADDER PUMP WELLS: (MW-16, ER-8) → MW01A, MW04, MW06, MW07, MW11, MW12

FLUTe WELLS:

RESAMPLE MW 21 & ERT-4

Attachments

CHECKLISTS: - FIELD DOC. - SAMPLE COLL.
- IDW - SAMPLE PACK/SHIP
- DECON - INST. CAL

- H&S ACTIVITY - BLADDER & FLUTe PURGE FORMS
- SAFETY INSPECTION

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE: 06/11/2019	**Prepared by:** Stephen Soldner

Personnel Onsite:	Justin Marra – Field Sampler
	Jessica Morrissey – Field Sampler
	Grant Reeder – Field Sampler
	Stephen Soldner – Site Manager/Field Sampler

Arrive at site: 0700 (am)
Leave site: 1930 (pm)

Weather	Bright Sun	~~Clear~~	Overcast	Rain	Snow
Temperature	To 32 º F	32 to 50 º F	50 to 70 º F	~~70 to 85 º F~~	85+ º F
Wind	Still	Moderate	~~High~~		
Humidity	Dry	~~Moderate~~	Humid		

Temperature º F	68	(am)	70	(pm)
Humidity	34	(am)	30	(pm)
Wind direction	SW	(am)	W	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

Material Deliveries

NONE.

Inspections Conducted:

DAILY SAFETY
SPOKE W/ P. NETAND REGARDING SCHEDULE / PROGRESS

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Description of Field Activities:

- PURGE/SAMPLE: MW01A, MW06, MW04, MW07, MW11, MW12, ERT8, MW16, FPW
- DECON EQUIP. B/T PORTS/WELLS
- CONTAINERIZE IDW
- CAL'D HORIBAS, MID-DAY BUMP CAL
- PACKED/ICED COOLERS
- HELD ALL SAMPLES FOR DELIVERY 6/12 - 6/13
- PURGED RUNOFF WATER FROM MW03

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

~~NONE.~~ SS 06/19

MW06 - TURBIDITY ABOVE 50 NTU FOR 4+ HRS. SAMPLED PER PROTOCOL.

Proposed Plan for Next Day

SAMPLE BLADDER PUMP WELL: MW03
FLUTE WELLS: ERT2, MW17, MW14 S/D

RESAMPLE MW21, ERT4
ERT 3-3 PCB-A, MW020 (PORT 5/6)

Attachments

CHECKLIST: - FIELD DOC
- IDW
- DECON
- SAMPLE COLL.
- SAMPLE PACK/SHIP
- INST. CAL
- BLADDER & FLUTE PURGE FORMS
- H&S ACTIVITY
- SAFETY INSPECTION

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE: 06/12/2019	**Prepared by:** Stephen Soldner

Personnel Onsite:	Justin Marra – Field Sampler
	Jessica Morrissey – Field Sampler
	Grant Reeder – Field Sampler
	Stephen Soldner – Site Manager/Field Sampler

Arrive at site: 0700 (am)
Leave site: 2000 (pm)

Weather	Bright Sun	**Clear**	Overcast	Rain	Snow
Temperature	To 32 º F	32 to 50 º F	50 to 70 º F	**70 to 85 º F**	85+ º F
Wind	Still	**Moderate**	High		
Humidity	Dry	**Moderate**	Humid		

Temperature º F	70	(am)	70	(pm)
Humidity	36	(am)	26	(pm)
Wind direction	W/SW	(am)	W/SW	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

Material Deliveries

None.

Inspections Conducted:

Daily Safety
Spoke with P. Nejand regarding schedule and progress

Description of Field Activities:

-Purge/Sample – MW03, ERT2, MW17, MW14S/D,
-Re-sample – MW20, ports 4/5; ERT4, ERT3-3 (PCB only), MW21,
-Containerized IDW
-Cal'ed Horibas
-Decon Equipment
-Packed/Iced Samples

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

Purged/Sampled MW-03 after purging runoff water on 06/11/2019

Proposed Plan for Next Day

Complete Packing samples, transport to Chemtech, Shealy, and Cape Fear labs

Attachments

Checklists: IDW, Decon, Field Documentation, Sample Collection, Inst. Cal, Sample Pack/Ship
Daily Safety Inspection
Health and safety Activity Report

Cornell Dubilier Electronics Superfund Site
Groundwater LTM Event 3
South Plainfield, New Jersey

Daily Quality Control Report

DATE: 06/13/2019	**Prepared by:** Stephen Soldner

Personnel Onsite:	Justin Marra – Field Sampler
	Jessica Morrissey – Field Sampler
	Grant Reeder – Field Sampler
	Stephen Soldner – Site Manager/Field Sampler

Arrive at site: 0700 (am)
Leave site: 1530 (pm)

Weather	Bright Sun	**Clear**	Overcast	**Rain**	Snow
Temperature	To 32 º F	32 to 50 º F	50 to 70 º F	**70 to 85 º F**	85+ º F
Wind	Still	**Moderate**	High		
Humidity	Dry	**Moderate**	**Humid**		

Temperature º F	70	(am)	70	(pm)
Humidity	100	(am)	50	(pm)
Wind direction	W	(am)	W/SW	(pm)

Additional Details: (i.e. additional information regarding weather conditions. Heavy rain, other precipitation types, time periods of precipitation/storms, etc.).

**Heavy rain in AM, clearing by 11 AM

Material Deliveries

None.

Inspections Conducted:

Daily Safety
Spoke with P. Nejand regarding schedule and progress

Description of Field Activities:

-Purge/Sample for metals – MW05, MW15S/D
-Containerized IDW
-Cal'ed Horibas
-Decon Equipment
-Packed/Iced Samples
-Deliver metals samples to Chemtech
-Return 6- and 3-port FLUTe manifolds to Sovereign Environmental
-Return equipment to Pine Environmental

Issues/Problems Encountered/Deficiencies/Deviations from UFP-QAPP (and resolutions):

Purged/Sampled MW-05 and MW-15S/D for metals only due to inclusion on Scribe Chain of Custody

Proposed Plan for Next Day

S. Soldner deliver samples to Shealy Labs and Cape Fear Analytical

Attachments

Checklists: IDW, Decon, Field Documentation, Sample Collection, Inst. Cal, Sample Pack/Ship
Daily Safety Inspection
Health and safety Activity Report

Appendix B

Spring 2019 Synoptic Gauging Data

	6		180	N/A	
	7		205	N/A	
	Tag		N/A	N/A	

Cornell-Dubilier Electronics Superfund Site
Well Gauging Sheet
Spring 2019

6/03/19

Well ID	Port	Depth to Water	Depth of Well	Time	PID	Comments
MW-01A	N/A	8.11	48.29	1020	393.3	
MW-02A	N/A	8.45	40.81	0945	0	
MW-03	N/A	8.85	29.15	1040	>15000	
MW-04	N/A	10.17	46.75	1008	>15000	
MW-05	N/A	9.12	46.63	0858	41.8	
MW-06	N/A	11.64	40.63	0936	0	
MW-07	N/A	18.05	57.50	1100	>15000	
MW-08	N/A	14.41	59.62	0912	112.1	
MW-09	N/A	13.24	55.82	0900	0	
MW-10	N/A	11.32	59.60	0843	0	
MW-11	N/A	12.26	58.50	0923	0	
MW-12	N/A	13.66	57.98	0930	0	
ERT-1	1	~~7.80~~	29	~~1416~~	N/A	
	2	7.78	43	1417	N/A	
	3	7.76	56	1418	N/A	
	4	7.73	64	1410	N/A	
	5	7.73	77	1411	N/A	
	6	7.58	105	1412	N/A	
	7	7.55	117	1413	N/A	
	8	7.46	140	1414	N/A	
	Tag	0.98	N/A	1415	N/A	
ERT-2	1	17.32	35	1150	N/A	WATER IN ENCLOSURE
	2	18.12	50	1151	N/A	
	3	17.59	59	1152	N/A	
	4	N/A	75	1153	N/A	WL PROBE WILL NOT FIT
	5	0.0	107	1154	N/A	MISSING QUICK CONNECT COVER
	6	11.65	123	1155	N/A	
	7	15.90	137	1156	N/A	
	Tag	0.00	N/A	1148	N/A	
ERT-3	1	8.59	37	1117	N/A	
	2	9.49	65	1118	N/A	
	3	9.44	105	1120	N/A	
	4	9.18	120	1121	N/A	
	5	6.98	134	1122	N/A	
	6	7.20	148	1123	N/A	
	Tag	5.60	N/A	1115	N/A	NO COVER
ERT-4	1	4.48	37	1125	N/A	
	2	3.32	56	1126	N/A	
	3	3.20	66	1127	N/A	
	4	2.75	88	~~1128~~	N/A	
	5	3.29	106	1129	N/A	
	6	3.23	116	1130	N/A	
	7	3.12	138	1131	N/A	
	Tag	9.25	N/A	1132	N/A	
ERT-5	1	0.62	34	1209	N/A	
	2	0.71	47	1210	N/A	
	3	0.59	60	1211	N/A	
	4	0.55	87	1212	N/A	
	5	0.28	98	1213	N/A	
	6	7.19	130	1214	N/A	
	Tag	0.54	N/A	1215	N/A	

Done

Cornell-Dubilier Electronics Superfund Site
Well Gauging Sheet
Spring 2019

6/03/19

Well ID	Port	Depth to Water	Depth of Well	Time	PID	Comments
MW-17	1	17.84	180	1140	N/A	WATER IN ENCLOSURE
	2	17.40	215	1141	N/A	" " "
	3	12.33	245	1142	N/A	" " "
	Tag	0.40	N/A	1143	N/A	" " "
MW-18	1	5.98	170	1220	N/A	WATER IN ENCLOSURE
	2	6.37	220	1221	N/A	" " "
	Tag	0.55	N/A	1222	N/A	" " "
MW-19	1	11.62	75	1430	N/A	
	2	10.76	142		N/A	
	3	9.20	210		N/A	
	4	8.85	267		N/A	
	5	8.38	377		N/A	
	6	6.28	490		N/A	
	7	8.73 ~~4~~	555		N/A	
	Tag	0.79	N/A		N/A	
MW-20	1	9.20	35	1130	N/A	
	2	9.10	95		N/A	
	3	6.45	135		N/A	
	4	3.54	185		N/A	
	5	7.29	215		N/A	
	6	6.03	260		N/A	
	7	4.59	307		N/A	
	8	4.00	365		N/A	
	Tag	0	N/A		N/A	
MW-21	1	3.50	60	1530	N/A	water in enclosure
	2	0	97		N/A	
	3	1.50	160		N/A	
	4	1.75	215		N/A	
	5	0	270		N/A	
	6	0	438		N/A	
	7	0	495		N/A	
	8	0	515		N/A	
	Tag	0	N/A		N/A	
MW-22	1	6.75	55	1500	N/A	
	2	6.70	135		N/A	
	3	6.40	220		N/A	
	4	5.81	315		N/A	
	Tag	2.35	N/A		N/A	
MW-23	1	13.33	70	1350	N/A	
	2	16.29	130		N/A	
	3	15.89	180		N/A	
	4	12.87	236		N/A	
	5	15.00	268		N/A	
	6	18.54	326		N/A	
	7	15.33	360		N/A	
	8	18.45	416		N/A	
	9	9.14	454		N/A	
	Tag	2.85	N/A		N/A	

DONE

06/03/2019

Cornell-Dubilier Electronics Superfund Site
Well Gauging Sheet
Spring 2019

Well ID	Port	Depth to Water	Depth of Well	Time	PID	Comments
Done ERT-6	1	7.64	36	1200	N/A	
	2	6.98	85	1201	N/A	
	3	6.98	103	1202	N/A	
	4	7.39	117	1203	N/A	
	5	6.89	138	1204	N/A	
	Tag	5.48	N/A	1205	N/A	No cover
ERT-7	1	10.96	35	1335	N/A	water in enclosure
	2	16.90	55	1336	N/A	
	3	15.22	75	1337	N/A	
	4	6.10	110	1338	N/A	
	5	0	140	1339	N/A	No quick connect cap
	Tag	0.30	N/A	1340	N/A	
Done ERT-8	1	N/A	27	1045	N/A	Could not fit WL probe
	2	19.14	41	1048	N/A	
	3	19.13	54	1049	N/A	
	4	19.17	62	1050	N/A	
	5	N/A	97	1051	N/A	Could not fit WL probe
	6	19.13	112	1052	N/A	
	7	19.23	145	1053	N/A	
	Tag	0.45	N/A	1047	N/A	
Done MW-13	1	3.62	28	1230	N/A	water in enclosure
	2	4.39	45	1232	N/A	
	3	4.36	73	1233	N/A	
	4	1.67	105	1234	N/A	
	5	0	125	1235	N/A	missing quick cover cap
	6	0.01	160	1236	N/A	
	7	0.01	240	1237	N/A	
	Tag	0	N/A	1238	N/A	white liquid, odorless
MW-14S	1	11.78	35	1353	N/A	water in enclosure
	2	12.68	46	1352	N/A	
	3	7.69	60	1351	N/A	
	4	12.76	70	1350	N/A	
	Tag	0.58	N/A	1355	N/A	No cover cap
MW-14D	1	12.87	85	1345	N/A	
	2	12.90	133	1346	N/A	
	3	12.31	209	1347	N/A	
	Tag	0.74	N/A	1348	N/A	No cap
MW-15S	1	14.71	40	1402	N/A	
	2	15.14	80	1403	N/A	
	Tag	6.91	N/A	1404	N/A	No cover cap
MW-15D	1	14.93	135	1406	N/A	
	2	14.92	195	1407	N/A	
	Tag	0.90	N/A	1408	N/A	
MW-16	1	7.80	30	1524	N/A	
	2	7.88	50		N/A	
	3	7.72	95		N/A	
	4	7.68	118		N/A	
	5	7.65	145		N/A	
	6	9.24	180		N/A	
	7	7.36	205		N/A	
	Tag	0.35	N/A		N/A	

06/03/2019

Cornell-Dubilier Electronics Superfund Site
Well Gauging Sheet
Spring 2019

Well ID	Port	Depth to Water	Depth of Well	Time	PID	Comments
MW-24	1	14.01	95	1415	N/A	
	2	13.01	145		N/A	
	3	11.20	250		N/A	
	4	11.09	342		N/A	
	5	10.13	380		N/A	
	6	10.00	465		N/A	
	Tag	0.5	N/A		N/A	
MW-25	1	14.69	95	1200	N/A	
	2	12.53	185		N/A	
	3	12.40	210		N/A	
	4	12.18	285		N/A	
	5	13.08	355		N/A	
	6	18.29	445		N/A	
	Tag	3.6	N/A		N/A	
MW-26	1	8.19	105	1215	N/A	
	2	9.14	185		N/A	
	3	5.94	365		N/A	
	4	7.14	320		N/A	
	5	6.84	395		N/A	
	6	5.59	465		N/A	
	Tag	1.02	N/A		N/A	
MW-27	1	8.38	95	1330	N/A	
	2	5.98	190		N/A	
	3	5.79	235		N/A	
	4	4.7	380		N/A	
	5	4.5	470		N/A	
	Tag	1.96	N/A		N/A	
Former Production Well (FPW)	1	9.71	41	1420	N/A	water in enclosure
	2	8.59	51	1421	N/A	
	3	8.42	110	1422	N/A	
	4	6.01	135	1423	N/A	
	5	9.36	190	1424	N/A	
	6	8.44	205	1425	N/A	
	7	9.38	245	1426	N/A	
	8	9.42	278	1427	N/A	
	9	9.19	310	1428	N/A	
	Tag	0	N/A	1429	N/A	No cover cap

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Appendix C

EPA Region 2 Superfund Well Assessment Checklists

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Well Assessment Checklist

Owner Well ID: ERT-1

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: ERT-1
Well Tag ID:
Well Installation date: 2008

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	69.84	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634259.81	N/A
Easting (State Plane) NAD27	517002.19	N/A

Cross streets (if applicable): —

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one): (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	Man hole/plate/Bolts	
Elevation (top of inner casing):	69.84	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	24	*inches*
Well Diameter:	—	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	—	*fttoc*
Screened interval:	—	*ft*
Open hole interval:	—	*ft*
Depth to water:	1.80	*ftbtoc*
Date:	5-6-19	*Time:* 0940

FLUTE well

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: ERT-1

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist?	Yes	No

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	**No**
Well needs to be re-surveyed.	**Yes**	**No**
Well needs to be repaired.	**Yes**	**No**
Well needs to be replaced.	**Yes**	**No**
Well needs to be properly abandoned.	**Yes**	**No**
No action necessary.	**(Yes)**	**No**

Comments

Inspected by: Jessica Morrissey
Date of Inspection: 5-6-19
Reviewed by: Stephen Sapner **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: ERT-2

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: ERT-2
Well Tag ID:
Well Installation date: June 2008

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	80.36	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634986.40	N/A
Easting (State Plane) NAD27	515901.59	N/A

Cross streets (if applicable): ~

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up (Multilevel Well*)

Well lock\security type:	BOLTS	
Elevation (top of inner casing):	80.36	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	24	*inches*
Well Diameter:	— N/A	*inches*
Well Depth (as installed):	— N/A	*ftbgs*
Well Depth (as measured):	— N/A	*fttoc*
Screened interval:	— N/A	*ft*
Open hole interval:	— N/A	*ft*
Depth to water:	TAG 10.51	*ftbtoc*

Date: 5/6/19 *Time:* 1740

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: ERT-2

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	(No)	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	Yes	(No)
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	Yes	(No)

Other Comments:

PUMPED RUNOFF OUT W/ WHALE PUMP

Recommendations

Well needs to be redeveloped	Yes	(No)
Well needs to be re-surveyed.	Yes	(No)
Well needs to be repaired.	(Yes)	No
Well needs to be replaced.	Yes	(No)
Well needs to be properly abandoned.	Yes	(No)
No action necessary.	Yes	(No)

Comments

B WATER LEVEL DOES NOT FIT PORT 4

Inspected by: JUSTIN MARRA
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLOMON (Print)
(Sign)

Well Assessment Checklist

Owner Well ID: ERT-3

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: ERT-3
Well Tag ID:
Well Installation date: JUNE 2008

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	68.69	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	636202.86	N/A
Easting (State Plane) NAD27	514074.6	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) (Multilevel Well*

Well lock\security type:	Lock	
Elevation (top of inner casing):	68.69	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	10	*inches*
Well Diameter:	N/A	*inches*
Well Depth (as installed):	N/A	*ftbgs*
Well Depth (as measured):	N/A	*fttoc*
Screened interval:	N/A	*ft*
Open hole interval:	N/A	*ft*
Depth to water:	TAG 5.11	*ftbtoc*
Date:	5/6/19	*Time:* 1710

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: EAT-3

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist?	Yes	No

Well Condition

Is the concrete pad in good condition?	(Yes)		No
Is the well surface casing in good condition?	(Yes)		No
Is the surface casing vertical?	(Yes)		No
Is there an internal well seal?	(Yes)		No
Has there been physical damage to the well?	Yes		(No)
Does sounding depth match completed depth?	(Yes)	N/A	No
Is measuring point marked?	Yes		(No)
Is the well clearly labeled?	(Yes)		No
Flush mount - Is it secure from runoff?	(Yes)		No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(**No**)
Well needs to be re-surveyed.	**Yes**	(**No**)
Well needs to be repaired.	**Yes**	(**No**)
Well needs to be replaced.	**Yes**	(**No**)
Well needs to be properly abandoned.	**Yes**	(**No**)
No action necessary.	(**Yes**)	**No**

Comments

Inspected by: JUSTIN MARRA
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLDNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: ERT-4

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: ERT-4
Well Tag ID:
Well Installation date: June 2008

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	61.77	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	636126.60	N/A
Easting (State Plane) NAD27	515361.98	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) (Multilevel Well*)

Well lock\security type:	Lock	
Elevation (top of inner casing):	61.77	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	10	*inches*
Well Diameter:	N/A	*inches*
Well Depth (as installed):	N/A	*ftbgs*
Well Depth (as measured):	N/A	*fttoc*
Screened interval:	N/A	*ft*
Open hole interval:	N/A	*ft*
Depth to water:		*ftbtoc*

Date: 5/6/19 *Time:* 1700

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: ERT-1

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)		No
Is the well surface casing in good condition?	(Yes)		No
Is the surface casing vertical?	(Yes)		No
Is there an internal well seal?	(Yes)		No
Has there been physical damage to the well?	Yes		(No)
Does sounding depth match completed depth?	Yes	N/A	No
Is measuring point marked?	Yes		(No)
Is the well clearly labeled?	(Yes)		No
Flush mount - Is it secure from runoff?	(Yes)		No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	**No**
Well needs to be re-surveyed.	**Yes**	**No**
Well needs to be repaired.	**Yes**	**No**
Well needs to be replaced.	**Yes**	**No**
Well needs to be properly abandoned.	**Yes**	**No**
No action necessary.	(Yes)	**No**

Comments

Inspected by: Justin Mara

Date of Inspection: 9/6/19

Reviewed by: Stephen Soldner **(Print)**

(Sign)

Well Assessment Checklist

Owner Well ID: ERT-5

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: ERT-5
Well Tag ID:
Well Installation date: JUNE 2008

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	69.03	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634530.16	N/A
Easting (State Plane) NAD27	514990.15	N/A

Cross streets (if applicable): ~

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up (Multilevel Well*)

Well lock\security type:		
Elevation (top of inner casing):	69.03	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	24	*inches*
Well Diameter:	N/A	*inches*
Well Depth (as installed):	N/A	*ftbgs*
Well Depth (as measured):	N/A	*fttoc*
Screened interval:	N/A	*ft*
Open hole interval:	N/A	*ft*
Depth to water:	TAG 0.0	*ftbtoc*

Date: 5/6/19 *Time:* 1615

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: ERT-5

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)		No
Is the well surface casing in good condition?	(Yes)		No
Is the surface casing vertical?	(Yes)		No
Is there an internal well seal?	(Yes)		No
Has there been physical damage to the well?	Yes		(No)
Does sounding depth match completed depth?	Yes	N/A	No
Is measuring point marked?	Yes		(No)
Is the well clearly labeled?	(Yes)		No
Flush mount - Is it secure from runoff?	Yes		(No)

Other Comments:

WATER PUMPED OUT VIA WHALE PUMP

Recommendations

Well needs to be redeveloped	**Yes**	**(No)**
Well needs to be re-surveyed.	**Yes**	**(No)**
Well needs to be repaired.	**Yes**	**(No)**
Well needs to be replaced.	**Yes**	**(No)**
Well needs to be properly abandoned.	**Yes**	**(No)**
No action necessary.	**(Yes)**	**No**

Comments

Inspected by: JUSTIN MARRA
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLDNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: ERT-6

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: ERT-6
Well Tag ID:
Well Installation date: JUNE 2008

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	67.52	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	635228.22	N/A
Easting (State Plane) NAD27	514656.72	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) (Multilevel Well*)

Well lock\security type:	LOCK	
Elevation (top of inner casing):	67.52	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	10	*inches*
Well Diameter:	N/A	*inches*
Well Depth (as installed):	N/A	*ftbgs*
Well Depth (as measured):	N/A	*fttoc*
Screened interval:	N/A	*ft*
Open hole interval:	N/A	*ft*
Depth to water:	TAG 5.38	*ftbtoc*

Date: 5/6/19 *Time:* 1620

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: ERT-6

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist?	Yes	No

Well Condition

Is the concrete pad in good condition?	~~Yes~~		No
Is the well surface casing in good condition?	~~Yes~~		No
Is the surface casing vertical?	~~Yes~~		No
Is there an internal well seal?	~~Yes~~		No
Has there been physical damage to the well?	Yes		~~No~~
Does sounding depth match completed depth?	~~Yes~~	N/A	No
Is measuring point marked?	~~Yes~~		No
Is the well clearly labeled?	~~Yes~~		No
Flush mount - Is it secure from runoff?	~~Yes~~		No N/A

Other Comments:

Recommendations

Well needs to be redeveloped	Yes	~~No~~
Well needs to be re-surveyed.	Yes	~~No~~
Well needs to be repaired.	Yes	~~No~~
Well needs to be replaced.	Yes	~~No~~
Well needs to be properly abandoned.	Yes	~~No~~
No action necessary.	~~Yes~~	No

Comments

Key # 3113

Inspected by: Justin Marra
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLDNER (Print)
(Sign)

Well Assessment Checklist

Owner Well ID: ERT-7

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: ERT-7
Well Tag ID:
Well Installation date: September 2009

	From Log	By GPS
Ground Surface	—	N/A
TOC Elevation	80.19	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634330.28	N/A
Easting (State Plane) NAD27	515878.03	N/A

Cross streets (if applicable):

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up (Multilevel Well*)
Well lock\security type: STEEL COVER
Elevation (top of inner casing): 80.19
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 24 inches
Well Diameter: N/A inches
Well Depth (as installed): N/A ftbgs
Well Depth (as measured): N/A fttoc
Screened interval: N/A ft
Open hole interval: N/A ft
Depth to water: TAG 0.0 ftbtoc
Date: 5/6/19 Time: 1555

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

E-157

Owner Well ID: ERT-7

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)		No
Is the well surface casing in good condition?	(Yes)		No
Is the surface casing vertical?	(Yes)		No
Is there an internal well seal?	(Yes)		No
Has there been physical damage to the well?	Yes		(No)
Does sounding depth match completed depth?	Yes	N/A	No
Is measuring point marked?	Yes		(No)
Is the well clearly labeled?	(Yes)		No
Flush mount - Is it secure from runoff?	Yes		(No)

Other Comments: Well casing filled with water
Pumped w/ WHALE Pump

Recommendations

Well needs to be redeveloped	Yes	(No)
Well needs to be re-surveyed.	Yes	(No)
Well needs to be repaired.	Yes	(No)
Well needs to be replaced.	Yes	(No)
Well needs to be properly abandoned.	Yes	(No)
No action necessary.	(Yes)	(No)

Comments

Inspected by: Justin Marra
Date of Inspection: 5/6/19
Reviewed by: Stephen Soldner (Print)
(Sign)

Well Assessment Checklist

Owner Well ID: ERT-B

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: ERT-8
Well Tag ID:
Well Installation date: June 2008

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	86.36	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	633661.74	N/A
Easting (State Plane) NAD27	515730.93	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) ~~Flush Mount~~ Stick up (Multilevel Well*)
Well lock\security type: Steel cover
Elevation (top of inner casing): 86.36
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 24 *inches*
Well Diameter: N/A *inches*
Well Depth (as installed): N/A *ftbgs*
Well Depth (as measured): N/A *fttoc*
Screened interval: N/A *ft*
Open hole interval: N/A *ft*
Depth to water: TAG: 0.0 *ftbtoc*
Date: 5/6/19 *Time:* 1530

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: ERT-B

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	Yes	No N/A
Is measuring point marked?	Yes	No N/A
Is the well clearly labeled?	Yes	(No)
Flush mount - Is it secure from runoff?	Yes	(No)

Other Comments:
Well casing filled with water - PUMPED W/ WHALE PUMP

Recommendations

Well needs to be redeveloped	**Yes**	(No)
Well needs to be re-surveyed.	**Yes**	(No)
Well needs to be repaired.	**Yes**	(No)
Well needs to be replaced.	**Yes**	(No)
Well needs to be properly abandoned.	**Yes**	(No)
No action necessary.	(Yes)	(No) (IM)

Comments

Inspected by: Justin Marra
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLOMON (Print)
(Sign)

2

Well Assessment Checklist

Owner Well ID: MW-01A

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW - 01A
Well Tag ID:
Well Installation date: 2000

	From Log	*By GPS*
Ground Surface	71.42	N/A
TOC Elevation	70.37	N/A
Latitude (WGS84)	N/A	N/A
Longitude (WGS84)	N/A	N/A
Northing (State Plane) NAD27	635224.34	N/A
Easting (State Plane) NAD27	516291.93	N/A

Cross streets (if applicable):

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up ~~Multilevel Well*~~
Well lock\security type: man hole, well cap, locked plug
Elevation (top of inner casing): 70.37
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 14 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 49 *ftbgs*
Well Depth (as measured): 47.92 *fttoc*
Screened interval: 24-49 *ft*
Open hole interval: — *ft*
Depth to water: 7.90 *ftbtoc*
Date: 5-6-19 *Time:* 1220

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-01A

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.00 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist?	Yes	No

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	(No) JM 05/6/19
Is measuring point marked?	(Yes)	(No)
Is the well clearly labeled?	(Yes)	(No)
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	**(No)**
Well needs to be re-surveyed.	**Yes**	**(No)**
Well needs to be repaired.	**Yes**	**(No)**
Well needs to be replaced.	**Yes**	**(No)**
Well needs to be properly abandoned.	**Yes**	**(No)**
No action necessary.	**(Yes)**	**No**

Comments

Inspected by: J. Morrissey
Date of Inspection: 5-6-19
Reviewed by: STEPHEN SOLDNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW02A

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID:
Well Tag ID: MW-02A
Well Installation date: 2000

	From Log	By GPS
Ground Surface	—	N/A
TOC Elevation	70.86	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	635148.54	N/A
Easting (State Plane) NAD27	516638.44	N/A

Cross streets (if applicable): ON SITE

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	Lock	
Elevation (top of inner casing):	70.86	
Surface casing material:	STEEL	
Well casing material:	PVC	
Surface Casing diameter:	8	inches
Well Diameter:	2	inches
Well Depth (as installed):	49	ftbgs
Well Depth (as measured):	49	fttoc
Screened interval:	24-49	ft
Open hole interval:	—	ft
Depth to water:	08.25	ftbtoc
Date:	5/6/19	Time: 1110

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW02A

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist?	Yes	No

Well Condition

Is the concrete pad in good condition?	~~Yes~~	No
Is the well surface casing in good condition?	~~Yes~~	No
Is the surface casing vertical?	~~Yes~~	No
Is there an internal well seal?	~~Yes~~	No
Has there been physical damage to the well?	Yes	~~No~~
Does sounding depth match completed depth?	~~Yes~~	No
Is measuring point marked?	~~Yes~~	No
Is the well clearly labeled?	~~Yes~~	No
Flush mount - Is it secure from runoff?	~~Yes~~	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	**No**
Well needs to be re-surveyed.	**Yes**	**No**
Well needs to be repaired.	**Yes**	**No**
Well needs to be replaced.	**Yes**	**No**
Well needs to be properly abandoned.	**Yes**	**No**
No action necessary.	~~Yes~~	**No**

Comments

Inspected by: J MARRA
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOCOWED **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW-3

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-03
Well Tag ID:
Well Installation date: 2000

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	70.70	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634873.98	N/A
Easting (State Plane) NAD27	516823.5	N/A

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	None Lock	
Elevation (top of inner casing):	70.70	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	8	*inches*
Well Diameter:	2	*inches*
Well Depth (as installed):	29.75	*ftbgs*
Well Depth (as measured):	29.69	*fttoc*
Screened interval:	17-29	*ft*
Open hole interval:	—	*ft*
Depth to water:	8.15	*ftbtoc*
Date:	5/6/19	*Time:* 10 15

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-3

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(**No**)
Well needs to be re-surveyed.	**Yes**	(**No**)
Well needs to be repaired.	**Yes**	(**No**)
Well needs to be replaced.	**Yes**	(**No**)
Well needs to be properly abandoned.	**Yes**	(**No**)
No action necessary.	(**Yes**)	**No**

Comments

Inspected by: Justin Marra
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SKINNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW-08

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-04
Well Tag ID:
Well Installation date: 2008

	From Log	By GPS
Ground Surface	—	N/A
TOC Elevation	72.1	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634674.67	N/A
Easting (State Plane) NAD27	516849.47	N/A

Cross streets (if applicable): —

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one): (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	J plug, hex bolt (2)	
Elevation (top of inner casing):	72.1	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	8	*inches*
Well Diameter:	2	*inches*
Well Depth (as installed):	46.12	*ftbgs*
Well Depth (as measured):	46.15	*fttoc*
Screened interval:	29-49	*ft*
Open hole interval:	—	*ft*
Depth to water:	9.23	*ftbtoc*
Date:	5-6-19	*Time:* 0930

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-04

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 15000 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	**(No)**
Well needs to be re-surveyed.	**Yes**	**(No)**
Well needs to be repaired.	**Yes**	**(No)**
Well needs to be replaced.	**Yes**	**(No)**
Well needs to be properly abandoned.	**Yes**	**(No)**
No action necessary.	**(Yes)**	**No**

Comments

Inspected by: Jessica Morrissey
Date of Inspection: 5-6-19
Reviewed by: Stephen Goldwen **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW-05

Facility Information

Site Name: MW-05	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-05
Well Tag ID:
Well Installation date: 2000

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	71.28	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634420.79	N/A
Easting (State Plane) NAD27	517062.78	N/A

Cross streets (if applicable): —

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one): (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	Lock, J plug, hex bolt (3)	
Elevation (top of inner casing):	71.28	
Surface casing material:	Steel	
Well casing material:	~~PVC~~ Steel 2"	
Surface Casing diameter:	8	*inches*
Well Diameter:	2	*inches*
Well Depth (as installed):	45.5	*ftbgs*
Well Depth (as measured):	46.39	*fttoc*
Screened interval:	25-45.5	*ft*
Open hole interval:	—	*ft*
Depth to water:	8.34	*ftbtoc*
Date:	5-16-19	*Time:* 1141

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-05

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.00 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	Yes	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	Yes	(No)

Other Comments: Flooded below casing

Recommendations

Well needs to be redeveloped	**Yes**	(**No**)
Well needs to be re-surveyed.	**Yes**	(**No**)
Well needs to be repaired.	**Yes**	(**No**)
Well needs to be replaced.	**Yes**	(**No**)
Well needs to be properly abandoned.	**Yes**	(**No**)
No action necessary.	(**Yes**)	**No**

Comments

Inspected by: J. Morrissey
Date of Inspection: 5-6-19
Reviewed by: STEPHEN SKINNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW-06

Facility Information

Site Name: ~~MW-06~~	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW 06
Well Tag ID:
Well Installation date:

	From Log	*By GPS*
Ground Surface	–	N/A
TOC Elevation	74.57	N/A
Latitude (WGS84)	–	N/A
Longitude (WGS84)	–	N/A
Northing (State Plane) NAD27	631742.76	N/A
Easting (State Plane) NAD27	516541.56	N/A

Cross streets (if applicable): –

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one): (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	hex bolt (2)	
Elevation (top of inner casing):		
Surface casing material:		Steel
Well casing material:		PVC
Surface Casing diameter:	8	*inches*
Well Diameter:	2	*inches*
Well Depth (as installed):	44	*ftbgs*
Well Depth (as measured):	40.61	*fttoc*
Screened interval:	29-44	*ft*
Open hole interval:	–	*ft*
Depth to water:	11.39	*ftbtoc*
Date:	5-6-19	*Time:* 1154

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-06

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	Yes	(No)

Other Comments: well flooded above casing. baled water out

Recommendations

Well needs to be redeveloped	**Yes**	**(No)**
Well needs to be re-surveyed.	**Yes**	**(No)**
Well needs to be repaired.	**Yes**	**(No)**
Well needs to be replaced.	**Yes**	**(No)**
Well needs to be properly abandoned.	**Yes**	**(No)**
No action necessary.	**(Yes)**	**No**

Comments

Inspected by: Jessica Morrissey
Date of Inspection: 5-6-19
Reviewed by: Stephen Sooner **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW07

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW07
Well Tag ID:
Well Installation date: 2000

	From Log	By GPS
Ground Surface	—	N/A
TOC Elevation	80.86	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	631767.95	N/A
Easting (State Plane) NAD27	516091.88	N/A

Cross streets (if applicable): LAKESIDE/NEW MARKET

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) ~~Flush Mount~~ Stick up Multilevel Well*

Well lock\security type:	BOLTS (3 OF 3); GATE CODE 3331	
Elevation (top of inner casing):	80.86	
Surface casing material:	STEEL	
Well casing material:	PVC	
Surface Casing diameter:	8	inches
Well Diameter:	6	inches
Well Depth (as installed):	58	ftbgs
Well Depth (as measured):	57.50	fttoc
Screened interval:	43-58	ft
Open hole interval:	—	ft
Depth to water:	17.71	ftbtoc
Date:	5/6/19	Time: 1700

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW07

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 715000 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist?	Yes	~~No~~

Well Condition

Is the concrete pad in good condition?	~~Yes~~	No
Is the well surface casing in good condition?	~~Yes~~	No
Is the surface casing vertical?	~~Yes~~	No
Is there an internal well seal?	~~Yes~~	No
Has there been physical damage to the well?	Yes	~~No~~
Does sounding depth match completed depth?	~~Yes~~	No
Is measuring point marked?	~~Yes~~	No
Is the well clearly labeled?	~~Yes~~	No
Flush mount - Is it secure from runoff?	~~Yes~~	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	~~No~~
Well needs to be re-surveyed.	**Yes**	~~No~~
Well needs to be repaired.	**Yes**	~~No~~
Well needs to be replaced.	**Yes**	~~No~~
Well needs to be properly abandoned.	**Yes**	~~No~~
No action necessary.	~~Yes~~	**No**

Comments

Inspected by: J MARRA
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLOWICZ **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW-08

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-08
Well Tag ID:
Well Installation date: 2000

	From Log	*By GPS*
Ground Surface	–	N/A
TOC Elevation	~~86.86~~ 77.47	N/A
Latitude (WGS84)		N/A
Longitude (WGS84)	– 393.44	N/A
Northing (State Plane) NAD27	634 ~~[illegible]~~	N/A
Easting (State Plane) NAD27	516 ~~[illegible]~~ 377.17	N/A

Cross streets (if applicable): –

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one)	Flush Mount	Stick up	Multilevel Well*
Well lock\security type:	Lock, plug, cap, MANHOLE		
Elevation (top of inner casing):	~~[illegible]~~ 77.47		
Surface casing material:		Steel	
Well casing material:		PVC	
Surface Casing diameter:	8	*inches*	
Well Diameter:	2	*inches*	
Well Depth (as installed):	~~[illegible]~~ 57.5	*ftbgs*	
Well Depth (as measured):	59.08	*fttoc*	
Screened interval:	~~[illegible]~~ 42-57	*ft*	
Open hole interval:	–	*ft*	
Depth to water:	13.88	*ftbtoc*	
Date:	5/6/19	*Time:*	1110

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-08

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(**No**)
Well needs to be re-surveyed.	**Yes**	(**No**)
Well needs to be repaired.	**Yes**	(**No**)
Well needs to be replaced.	**Yes**	(**No**)
Well needs to be properly abandoned.	**Yes**	(**No**)
No action necessary.	(**Yes**)	**No**

Comments

Inspected by: Justin Marra
Date of Inspection: 5-6-19
Reviewed by: STEPHEN SAPNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW-09

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-~~#~~09
Well Tag ID:
Well Installation date: 2000

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	75.6	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634398.32	N/A
Easting (State Plane) NAD27	516870.83	N/A

down 1ft

Cross streets (if applicable): —

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one): (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	~~Key~~ bolt (2) J-plug
Elevation (top of inner casing):	75.60
Surface casing material:	Steel
Well casing material:	PVC
Surface Casing diameter:	6 *inches*
Well Diameter:	2 *inches*
Well Depth (as installed):	54 *ftbgs*
Well Depth (as measured):	~~XXXX~~ 56.60 *fttoc*
Screened interval:	29-54 *ft*
Open hole interval:	— *ft*
Depth to water:	~~XXXX~~ 13.31 *ftbtoc*
Date:	5/6/19 *Time:* 1050

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-09

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	Yes	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	(No) Flooded

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	**(No)**
Well needs to be re-surveyed.	**Yes**	**(No)**
Well needs to be repaired.	**Yes**	**(No)**
Well needs to be replaced.	**Yes**	**(No)**
Well needs to be properly abandoned.	**Yes**	**(No)**
No action necessary.	(Yes)	**No**

Comments

Inspected by: GR / JM
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLDNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW-10

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-10
Well Tag ID:
Well Installation date:

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	73.88	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634099.75	N/A
Easting (State Plane) NAD27	516752.16	N/A

Cross streets (if applicable): —

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*

Well lock\security type:	Hex Bolt (2) J-Plug w/ lock	
Elevation (top of inner casing):	down ~0.33 ft	73.88
Surface casing material:	Steel	
Well casing material:	~~PVC~~ Steel	
Surface Casing diameter:	8	*inches*
Well Diameter:	2	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	53.43	*fttoc*
Screened interval:	37-52	*ft*
Open hole interval:	—	*ft*
Depth to water:	10.31	*ftbtoc*
Date:	5/6/19	*Time:* 1010

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-10

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist?	Yes	(No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	Yes	(No)
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	**(No)**
Well needs to be re-surveyed.	**Yes**	**(No)**
Well needs to be repaired.	**Yes**	**(No)**
Well needs to be replaced.	**Yes**	**(No)**
Well needs to be properly abandoned.	**Yes**	**(No)**
No action necessary.	**(Yes)**	**No**

Comments

Inspected by: Grant Roeder
Date of Inspection: 5/6/19

Reviewed by: STEPHEN SOLDNER **(Print)**

(Sign)

Well Assessment Checklist

Owner Well ID: MW-11

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-11
Well Tag ID:
Well Installation date: 2000

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	75.29	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	631516.26	N/A
Easting (State Plane) NAD27	514675.18	N/A

Cross streets (if applicable): —

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*

Well lock\security type:	No well lock - has J-plug and hex bolt (3)	
Elevation (top of inner casing):	75.29	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	8	*inches*
Well Diameter:	2	*inches*
Well Depth (as installed):	58.62	*ftbgs*
Well Depth (as measured):	59.5	*fttoc*
Screened interval:	34.59	*ft*
Open hole interval:	—	*ft*
Depth to water:	11.67	*ftbtoc*
Date:	5-6-19	*Time:* 1025

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW-11

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.00 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	Yes	(No)
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	**(No)**
Well needs to be re-surveyed.	**Yes**	**(No)**
Well needs to be repaired.	**Yes**	**(No)**
Well needs to be replaced.	**Yes**	**(No)**
Well needs to be properly abandoned.	**Yes**	**(No)**
No action necessary.	**(Yes)**	**No**

Comments

Inspected by: Jessica Morrissey
Date of Inspection: 5-6-19
Reviewed by: STEPHEN SOLDNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW-12

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW 12
Well Tag ID:
Well Installation date: 2000

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	76.9	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	—	N/A
Easting (State Plane) NAD27	—	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one): (Flush Mount) Stick up Multilevel Well*
Well lock\security type: J plug, Locked, hex bolt (3)
Elevation (top of inner casing): 76.9
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 8 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 60 *ftbgs*
Well Depth (as measured): ~~59.5~~ *fttoc*
Screened interval: 35-60 *ft*
Open hole interval: — *ft*
Depth to water: 12.25 *ftbtoc*
Date: 5/6/19 *Time:* 1054

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: 0 MW-12

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	Yes	(No)	- cracked around well
Is the well surface casing in good condition?	(Yes)	No	
Is the surface casing vertical?	(Yes)	No	
Is there an internal well seal?	(Yes)	No	
Has there been physical damage to the well?	Yes	(No)	
Does sounding depth match completed depth?	(Yes)	No	
Is measuring point marked?	(Yes)	No	
Is the well clearly labeled?	(Yes)	No	
Flush mount - Is it secure from runoff?	(Yes)	No	

Other Comments:

Recommendations

Well needs to be redeveloped	Yes	(No)
Well needs to be re-surveyed.	Yes	(No)
Well needs to be repaired.	Yes	(No)
Well needs to be replaced.	Yes	(No)
Well needs to be properly abandoned.	Yes	(No)
No action necessary.	(Yes)	No

Comments

repaired cracked concrete ~~with~~

Inspected by: Jessica Morrissey
Date of Inspection: 5-6-19
Reviewed by: STEPHEN SOLDNER (Print)
(Sign)

Well Assessment Checklist

Owner Well ID: MW13

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID:
Well Tag ID: MW13
Well Installation date:

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	66.49	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	635179.85	N/A
Easting (State Plane) NAD27	517074.65	N/A

Cross streets (if applicable): B/T RAIL TRACKS

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) ~~Flush Mount~~ Stick up (Multilevel Well*)
Well lock\security type: Lock
Elevation (top of inner casing): 66.89
Surface casing material: STEEL
Well casing material: PVC
Surface Casing diameter: 24 *inches*
Well Diameter: — *inches*
Well Depth (as installed): — *ftbgs*
Well Depth (as measured): — *fttoc*
Screened interval: — *ft*
Open hole interval: — *ft*
Depth to water: 0.00 *ftbtoc*
Date: 5/6/19 *Time:* 1330

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW13

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): — *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes ~~No~~

Well Condition

Is the concrete pad in good condition?	~~Yes~~	No
Is the well surface casing in good condition?	~~Yes~~	No
Is the surface casing vertical?	Yes	No
Is there an internal well seal?	~~Yes~~	No
Has there been physical damage to the well?	Yes	~~No~~
Does sounding depth match completed depth?	~~Yes~~	No
Is measuring point marked?	~~Yes~~	No
Is the well clearly labeled?	~~Yes~~	No
Flush mount - Is it secure from runoff?	Yes	~~No~~

Other Comments:

WATER @ SURFACE; PUMPED W/ WHALE PUMP.

Recommendations

Well needs to be redeveloped	**Yes**	~~No~~
Well needs to be re-surveyed.	**Yes**	~~No~~
Well needs to be repaired.	~~Yes~~	**No**
Well needs to be replaced.	**Yes**	~~No~~
Well needs to be properly abandoned.	**Yes**	~~No~~
No action necessary.	**Yes**	~~No~~

Comments

SECURE FROM RUNOFF

Inspected by: JMARRA
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLOMER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW 14S

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW - 14S
Well Tag ID:
Well Installation date: 09/2009

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	75.01	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634528.25	N/A
Easting (State Plane) NAD27	516595.58	N/A

Cross streets (if applicable): ONSITE

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	pad lock - not locked, man hole/plate	
Elevation (top of inner casing):	75.01	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	—	*inches*
Well Diameter:	—	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	—	*fttoc*
Screened interval:	—	*ft*
Open hole interval:	—	*ft*
Depth to water:	0.58	*ftbtoc*
Date:	5-6-19	*Time:* 1030

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW14S

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): — *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	~~Yes~~	No
Is the surface casing vertical?	~~Yes~~	No
Is there an internal well seal?	~~Yes~~	No
Has there been physical damage to the well?	Yes	~~No~~
Does sounding depth match completed depth?	~~Yes~~	No
Is measuring point marked?	~~Yes~~	No
Is the well clearly labeled?	Yes	(No)
Flush mount - Is it secure from runoff?	Yes	(No)

Other Comments:

Fixed

Recommendations

Well needs to be redeveloped	**Yes**	~~No~~
Well needs to be re-surveyed.	**Yes**	~~No~~
Well needs to be repaired.	~~Yes~~	**No**
Well needs to be replaced.	**Yes**	~~No~~
Well needs to be properly abandoned.	**Yes**	~~No~~
No action necessary.	**Yes**	~~No~~

Comments

well completely flooded; need to secure from runoff

Inspected by: J. Morrissey

Date of Inspection: 5-6-19

Reviewed by: Stephen Soldner **(Print)**

(Sign)

Well Assessment Checklist

Owner Well ID: MW14D

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW - 14D
Well Tag ID:
Well Installation date: 09/2009

	From Log	By GPS	
Ground Surface	—	N/A	
TOC Elevation	75.09	N/A	down 0.33 ft
Latitude (WGS84)	—	N/A	
Longitude (WGS84)	—	N/A	
Northing (State Plane) NAD27	634521.70	N/A	
Easting (State Plane) NAD27	516591.77	N/A	

Cross streets (if applicable):	ONSITE
GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one)	Flush Mount	Stick up	Multilevel Well*
Well lock\security type:	Manhole Cover		
Elevation (top of inner casing):	75.09		
Surface casing material:		Steel	
Well casing material:		PVC	
Surface Casing diameter:	—	*inches*	
Well Diameter:	—	*inches*	
Well Depth (as installed):	—	*ftbgs*	flute well
Well Depth (as measured):	—	*fttoc*	
Screened interval:	—	*ft*	
Open hole interval:	—	*ft*	
Depth to water: 0.0	See well gauging	*ftbtoc*	sheet → 4 Ports
Date:	5/6/19	*Time:*	1035

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW 17D

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	Yes	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	Yes	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	Yes	(No) flooded

Other Comments:
flooded, layer of sediment on well materials

Recommendations

Well needs to be redeveloped	Yes	(No)
Well needs to be re-surveyed.	Yes	(No)
Well needs to be repaired.	Yes	(No)
Well needs to be replaced.	Yes	(No)
Well needs to be properly abandoned.	Yes	(No)
No action necessary.	(Yes)	No

Comments

Replace tag port cap

Inspected by: Grant Reeder
Date of Inspection: 5/6/19
Reviewed by: STEPHEN GOLDNER (Print)
(Sign)

Well Assessment Checklist

Owner Well ID: MW15S

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: 15S
Well Tag ID:
Well Installation date: Sept/Oct 2009

	From Log	By GPS
Ground Surface	—	N/A
TOC Elevation	77.39	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634356.06	N/A
Easting (State Plane) NAD27	516414.60	N/A

Cross streets (if applicable): ONSITE

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: man hole / plate
Elevation (top of inner casing): 77.39
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: — inches
Well Diameter: — inches
Well Depth (as installed): — ftbgs
Well Depth (as measured): ~ fttoc
Screened interval: — ft
Open hole interval: — ft
Depth to water: 6.92 ftbtoc

Date: 5-6-19 Time: 1110

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW15S

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): — *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist?	Yes	(No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(No)
Well needs to be re-surveyed.	**Yes**	(No)
Well needs to be repaired.	**Yes**	(No)
Well needs to be replaced.	**Yes**	(No)
Well needs to be properly abandoned.	**Yes**	(No)
No action necessary.	(Yes)	**No**

Comments

Inspected by: J. Morris
Date of Inspection: 5-6-19

Reviewed by: STEPHEN SOLOMEY **(Print)**

(Sign)

Well Assessment Checklist

Owner Well ID: MW15D

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-15D
Well Tag ID:
Well Installation date: Sept/Oct 2009

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	77.31	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634367.62	N/A
Easting (State Plane) NAD27	516720.05	N/A

Cross streets (if applicable): ONSITE

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one): (Flush Mount) Stick up (Multilevel Well)*

Well lock\security type:	man hole/ plate	
Elevation (top of inner casing):	77.31	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	—	*inches*
Well Diameter:	~	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	—	*fttoc*
Screened interval:	—	*ft*
Open hole interval:	—	*ft*
Depth to water:	1.19	*ftbtoc*

FLUTE well

Date: 5/16/17 *Time:* 1110

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW15D

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	Yes	(No)
Well needs to be re-surveyed.	Yes	(No)
Well needs to be repaired.	Yes	(No)
Well needs to be replaced.	Yes	(No)
Well needs to be properly abandoned.	Yes	(No)
No action necessary.	(Yes)	No

Comments

Inspected by: J. Morrissey
Date of Inspection: 5-6-19
Reviewed by: STEPHEN SOLDNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW16

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-16
Well Tag ID:
Well Installation date:

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	69.83	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	635232.87	N/A
Easting (State Plane) NAD27	516283.83	N/A

Cross streets (if applicable):

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up (Multilevel Well*)

Well lock\security type:	Man hole / plate	
Elevation (top of inner casing):	69.83	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	—	*inches*
Well Diameter:	—	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	—	*fttoc*
Screened interval:	—	*ft*
Open hole interval:	—	*ft*
Depth to water: FULL	~~Full~~ N/A	*ftbtoc*

FLUTE well

Date: 5-4-19 *Time:* 1233

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW16

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes No

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	Yes	(No)
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	Yes	(No)

Other Comments: well completely flooded - baled out to casing height

Recommendations

Well needs to be redeveloped	Yes	(No)
Well needs to be re-surveyed.	Yes	(No)
Well needs to be repaired.	Yes	(No)
Well needs to be replaced.	Yes	(No)
Well needs to be properly abandoned.	Yes	(No)
No action necessary.	(Yes)	(No)

SS

Comments

SECURE FROM RUNOFF

Inspected by: Jessica Morrissey

Date of Inspection: 5-6-19

Reviewed by: STEPHEN SOLOMER (Print)

(Sign)

Well Assessment Checklist

Owner Well ID: MW17

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID:
Well Tag ID: MW17
Well Installation date: 9/2009

	From Log	By GPS
Ground Surface	—	N/A
TOC Elevation	80.14	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634981.53	N/A
Easting (State Plane) NAD27	515908.37	N/A

Cross streets (if applicable): NEW MARKET / LAKEVIEW

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one): ~~Flush Mount~~ Stick up ~~Multilevel Well*~~

Well lock\security type:	LOCK	
Elevation (top of inner casing):	80.14	
Surface casing material:	STEEL	
Well casing material:	PVC	
Surface Casing diameter:	24	inches
Well Diameter:	—	inches
Well Depth (as installed):	—	ftbgs
Well Depth (as measured):	—	fttoc
Screened interval:	—	ft
Open hole interval:	—	ft
Depth to water:	0.40	ftbtoc
Date:	05/06/19	Time: 1740

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW17

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes ~~No~~

Well Condition

Is the concrete pad in good condition?	~~Yes~~	No
Is the well surface casing in good condition?	~~Yes~~	No
Is the surface casing vertical?	~~Yes~~	No
Is there an internal well seal?	~~Yes~~	No
Has there been physical damage to the well?	Yes	~~No~~
Does sounding depth match completed depth?	~~Yes~~	No
Is measuring point marked?	~~Yes~~	No
Is the well clearly labeled?	~~Yes~~	No
Flush mount - Is it secure from runoff?	Yes	~~No~~

Other Comments:

Pumped runoff out w/ WHALE Pump

Recommendations

Well needs to be redeveloped	**Yes**	~~No~~
Well needs to be re-surveyed.	**Yes**	~~No~~
Well needs to be repaired.	~~Yes~~	**No**
Well needs to be replaced.	**Yes**	~~No~~
Well needs to be properly abandoned.	**Yes**	~~No~~
No action necessary.	**Yes**	~~No~~

Comments

Secure from runoff

Inspected by: JMarra
Date of Inspection: 5/6/19
Reviewed by: Stephen Solomon (Print)
(Sign)

Well Assessment Checklist

Owner Well ID: MW-18

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID:
Well Tag ID: MW 18
Well Installation date: 9/2007

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	67.38	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	634620.15	N/A
Easting (State Plane) NAD27	514526.64	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: Lock
Elevation (top of inner casing): 67.38
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: — *inches*
Well Diameter: — *inches*
Well Depth (as installed): — *ftbgs*
Well Depth (as measured): — *fttoc*
Screened interval: — *ft*
Open hole interval: — *ft*
Depth to water: *ftbtoc*
Date: 5/6/19 *Time:* 1140

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW18

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): — *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes ~~No~~

Well Condition

Is the concrete pad in good condition?	~~Yes~~	No
Is the well surface casing in good condition?	~~Yes~~	No
Is the surface casing vertical?	~~Yes~~	No
Is there an internal well seal?	~~Yes~~	No
Has there been physical damage to the well?	Yes	~~No~~
Does sounding depth match completed depth?	~~Yes~~	No
Is measuring point marked?	~~Yes~~	No
Is the well clearly labeled?	~~Yes~~	No
Flush mount - Is it secure from runoff?	~~Yes~~	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	~~**No**~~
Well needs to be re-surveyed.	**Yes**	~~**No**~~
Well needs to be repaired.	**Yes**	~~**No**~~
Well needs to be replaced.	**Yes**	~~**No**~~
Well needs to be properly abandoned.	**Yes**	~~**No**~~
No action necessary.	~~**Yes**~~	~~**No**~~ SJ

Comments

Inspected by: J MARRA
Date of Inspection: 5/6/19

Reviewed by: STEPHEN SOLOMON **(Print)**

(Sign)

Well Assessment Checklist

Owner Well ID: MW19

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW 19
Well Tag ID:
Well Installation date: 9/09

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	63.78	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	638511.33	N/A
Easting (State Plane) NAD27	515674.60	N/A

Cross streets (if applicable):

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up ~~Multilevel Well~~*

Well lock\security type:	well hole/plate	
Elevation (top of inner casing):	63.78	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	—	*inches*
Well Diameter:	—	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	—	*fttoc*
Screened interval:	—	*ft*
Open hole interval:	—	*ft*
Depth to water:	0.77	*ftbtoc*

FLUSH well

Date: 5-6-19 *Time:* 1033

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW19

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	(No)

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(No)
Well needs to be re-surveyed.	**Yes**	(No)
Well needs to be repaired.	**Yes**	(No)
Well needs to be replaced.	**Yes**	(No)
Well needs to be properly abandoned.	**Yes**	(No)
No action necessary.	(Yes)	**No**

Comments

Inspected by: Grant Reeder
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOLDNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW20

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW 20
Well Tag ID:
Well Installation date:

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	65.42	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27		N/A
Easting (State Plane) NAD27		N/A

Cross streets (if applicable): —

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one): ~~Flush Mount~~ Stick up ~~Multilevel Well*~~
Well lock\security type: well cover

Elevation (top of inner casing):	65.42	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	—	*inches*
Well Diameter:	—	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	N/A	*fttoc*
Screened interval:	—	*ft*
Open hole interval:	—	*ft*
Depth to water:	0.0	*ftbtoc*
Date:	5-6-19	*Time:* 1725

flute well

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW20

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes ~~No~~

Well Condition

Is the concrete pad in good condition?	Yes	No
Is the well surface casing in good condition?	Yes	No
Is the surface casing vertical?	Yes	No
Is there an internal well seal?	Yes	No
Has there been physical damage to the well?	Yes	No
Does sounding depth match completed depth?	Yes	No
Is measuring point marked?	Yes	No
Is the well clearly labeled?	Yes	No
Flush mount - Is it secure from runoff?	Yes	No

Other Comments:

Recommendations

Well needs to be redeveloped	Yes	No
Well needs to be re-surveyed.	Yes	No
Well needs to be repaired.	Yes	No
Well needs to be replaced.	Yes	No
Well needs to be properly abandoned.	Yes	No
No action necessary.	Yes	No

Comments

Inspected by: J. Morrissey
Date of Inspection: 5-6-19
Reviewed by: Stephen Soldner **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW21

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-21
Well Tag ID:
Well Installation date:

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	58.50	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	637069.08	N/A
Easting (State Plane) NAD27	511929.26	N/A

~ 0.5 ft bgs

Cross streets (if applicable):

GPS Instrument used:	N/A
Datum:	N/A
Accuracy/Precision:	N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up (Multilevel Well*)

Well lock\security type:	STEEL COVER	
Elevation (top of inner casing):	58.50	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	—	*inches*
Well Diameter:	—	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	—	*fttoc*
Screened interval:	—	*ft*
Open hole interval:	—	*ft*
Depth to water:	0.75	*ftbtoc*

FLUTE well

Date: 5/6/19 *Time:* 1700

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW21

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? N/A Yes No

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	Yes	(No)

Other Comments:
well was flooded to ground surface → Port 2 missing plug → water level at 0ft

Recommendations

Well needs to be redeveloped	**Yes**	(**No**)
Well needs to be re-surveyed.	**Yes**	(**No**)
Well needs to be repaired.	**Yes**	(**No**)
Well needs to be replaced.	**Yes**	(**No**)
Well needs to be properly abandoned.	**Yes**	(**No**)
No action necessary.	(**Yes**)	**No**

Comments

Inspected by: Grant Reeder
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SOCOVER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW22

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-22
Well Tag ID:
Well Installation date: 10/09

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	68.52	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	636938.91	N/A
Easting (State Plane) NAD27	517636.13	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: Steel Cover
Elevation (top of inner casing): 68.52
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: — *inches*
Well Diameter: — *inches*
Well Depth (as installed): — *ftbgs*
Well Depth (as measured): — *fttoc*
Screened interval: — *ft*
Open hole interval: — *ft*
Depth to water: 2.33 *ftbtoc*
Date: 5-6-19 *Time:* 1702

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW22

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(No)
Well needs to be re-surveyed.	**Yes**	(No)
Well needs to be repaired.	**Yes**	(No)
Well needs to be replaced.	**Yes**	(No)
Well needs to be properly abandoned.	**Yes**	(No)
No action necessary.	(Yes)	**No**

Comments

Inspected by: J.Morrissey
Date of Inspection: 5-6-19

Reviewed by: Stephen Soldner **(Print)**

(Sign)

Well Assessment Checklist

Owner Well ID: MW23

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-23
Well Tag ID:
Well Installation date: 12/10

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	69.68	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	639092.88	N/A
Easting (State Plane) NAD27	576922.12	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*

Well lock\security type:	man hole/plate	
Elevation (top of inner casing):	69.68	
Surface casing material:	Steel	
Well casing material:	PVC	
Surface Casing diameter:	—	*inches*
Well Diameter:	—	*inches*
Well Depth (as installed):	—	*ftbgs*
Well Depth (as measured):	—	*fttoc*
Screened interval:	—	*ft*
Open hole interval:	—	*ft*
Depth to water:	2.87	*ftbtoc*
Date:	5-6-19	*Time:* 1547

Flush well

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW23

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist?	Yes	~~No~~

Well Condition

Is the concrete pad in good condition?	~~Yes~~	No
Is the well surface casing in good condition?	~~Yes~~	No
Is the surface casing vertical?	~~Yes~~	No
Is there an internal well seal?	~~Yes~~	No
Has there been physical damage to the well?	Yes	~~No~~
Does sounding depth match completed depth?	~~Yes~~	No
Is measuring point marked?	~~Yes~~	No
Is the well clearly labeled?	~~Yes~~	No
Flush mount - Is it secure from runoff?	~~Yes~~	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	~~No~~
Well needs to be re-surveyed.	**Yes**	~~No~~
Well needs to be repaired.	**Yes**	~~No~~
Well needs to be replaced.	**Yes**	~~No~~
Well needs to be properly abandoned.	**Yes**	~~No~~
No action necessary.	~~Yes~~	**No**

Comments

Inspected by: Grant Reeder
Date of Inspection: 5/6/19
Reviewed by: STEPHEN SCARNER **(Print)**
(Sign)

Well Assessment Checklist

Owner Well ID: MW24

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW 24
Well Tag ID:
Well Installation date: 2016

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	66.57	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	638899.68	N/A
Easting (State Plane) NAD27	515169.23	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up ~~Multilevel Well~~*
Well lock\security type: well cap
Elevation (top of inner casing): 66.57
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: — *inches*
Well Diameter: — *inches*
Well Depth (as installed): — *ftbgs*
Well Depth (as measured): — *fttoc*
Screened interval: — *ft*
Open hole interval: — *ft*
Depth to water: 8.5 *ftbtoc*
Date: 5-6-19 *Time:* 1609

FLUSH MOUNT WELL

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW24

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist?	Yes	No

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	(No)
Has there been physical damage to the well?	Yes	No
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(No)
Well needs to be re-surveyed.	**Yes**	(No)
Well needs to be repaired.	**Yes**	(No)
Well needs to be replaced.	**Yes**	(No)
Well needs to be properly abandoned.	**Yes**	(No)
No action necessary.	(Yes)	**No**

Comments

Inspected by: J. Morrissey
Date of Inspection: 5-6-19

Reviewed by: Stephen Soldner **(Print)**

(Sign)

Well Assessment Checklist

Owner Well ID: MW25

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW-25
Well Tag ID:
Well Installation date:

	From Log	*By GPS*
Ground Surface	—	N/A
TOC Elevation	68.22	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	638775.91	N/A
Easting (State Plane) NAD27	518813.25	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) ~~Multilevel Well~~*
Well lock\security type: Lock
Elevation (top of inner casing): 68.22
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: — *inches*
Well Diameter: — *inches*
Well Depth (as installed): — *ftbgs*
Well Depth (as measured): — *fttoc*
Screened interval: — *ft*
Open hole interval: — *ft*
Depth to water: 3.60 *ftbtoc*

FLUSH well

Date: 5-6-19 *Time:* 1354

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW25

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist?	Yes	No

Well Condition

Is the concrete pad in good condition?	(Yes)	No	
Is the well surface casing in good condition?	(Yes)	No	
Is the surface casing vertical?	(Yes)	No	
Is there an internal well seal?	(Yes)	No	
Has there been physical damage to the well?	Yes	(No)	
Does sounding depth match completed depth?	(Yes)	No	
Is measuring point marked?	(Yes)	No	
Is the well clearly labeled?	Yes	(No)	- No well ID label
Flush mount - Is it secure from runoff?	(Yes)	No	

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(No)
Well needs to be re-surveyed.	**Yes**	(No)
Well needs to be repaired.	**Yes**	(No)
Well needs to be replaced.	**Yes**	(No)
Well needs to be properly abandoned.	**Yes**	(No)
No action necessary.	(Yes)	**No**

Comments

Inspected by: J. Morrissey
Date of Inspection: 5-6-19

Reviewed by: Stephen Solanea **(Print)**

(Sign)

Well Assessment Checklist

Owner Well ID: MW26

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW 26
Well Tag ID:
Well Installation date: 2016

	From Log	*By GPS*
Ground Surface	–	N/A
TOC Elevation	68.43	N/A
Latitude (WGS84)	–	N/A
Longitude (WGS84)	–	N/A
Northing (State Plane) NAD27	639 446.37	N/A
Easting (State Plane) NAD27	519059.87	N/A

Cross streets (if applicable): –

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) ~~Flush Mount~~ Stick up Multilevel Well*
Well lock\security type: No Lock, well cover
Elevation (top of inner casing): 68.43
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: – *inches*
Well Diameter: – *inches*
Well Depth (as installed): – *ftbgs*
Well Depth (as measured): – *fttoc*
Screened interval: – *ft*
Open hole interval: – *ft*
Depth to water: 1.02 *ftbtoc*

FLUTE well

Date: 5-6-19 *Time:* 1500

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW26

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist?	Yes	(No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	Yes	(No)
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	Yes	(No) no well ID marked
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	Yes	(No)
Well needs to be re-surveyed.	Yes	(No)
Well needs to be repaired.	Yes	(No)
Well needs to be replaced.	Yes	(No)
Well needs to be properly abandoned.	Yes	(No)
No action necessary.	(Yes)	No

Comments

Inspected by: J. Morrissey
Date of Inspection: 5-6-19
Reviewed by: Stephen Sollner (Print)
(Sign)

Well Assessment Checklist

Owner Well ID: MW27

Facility Information

Site Name:	Cornell-Dubilier Electronic Superfund Site
Site Address:	333 Hamilton Boulevard, South Plainfield, NJ
Site County:	Middlesex
Site State:	New Jersey
Site ID Number:	NJD981557879
Site Owner:	
EPA Project Manager:	Diego Garcia

Well Locational Information

State Well ID: MW 27
Well Tag ID:
Well Installation date: ~~2006~~ 2016

	From Log	By GPS
Ground Surface	—	N/A
TOC Elevation	68.23	N/A
Latitude (WGS84)	—	N/A
Longitude (WGS84)	—	N/A
Northing (State Plane) NAD27	638775.91	N/A
Easting (State Plane) NAD27	518893.25	N/A

Cross streets (if applicable): —

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one): — (Flush Mount) Stick up (Multilevel Well*)
Well lock\security type: no lock, ~~[illegible]~~ well cover
Elevation (top of inner casing): 68.23
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: — inches
Well Diameter: — inches
Well Depth (as installed): — ftbgs
Well Depth (as measured): — fttoc
Screened interval: — ft
Open hole interval: ~ ft
Depth to water: 1.98 ftbtoc

FLUTe well

Date: 5-6-19 Time: 1441

* If multilevel well please see attached worksheet.
N/A = Not applicable ---- = Not Available

Well Assessment Checklist

Owner Well ID: MW27

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): N/A ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	% LEL
O_2:	N/A	40% Vol.
CO:	N/A	ppm
H_2S:	N/A	ppm

Do readings indicate unsafe conditions exist? Yes (No)

Well Condition

Is the concrete pad in good condition?	(Yes)	No
Is the well surface casing in good condition?	(Yes)	No
Is the surface casing vertical?	(Yes)	No
Is there an internal well seal?	(Yes)	No
Has there been physical damage to the well?	Yes	(No)
Does sounding depth match completed depth?	(Yes)	No
Is measuring point marked?	(Yes)	No
Is the well clearly labeled?	(Yes)	No
Flush mount - Is it secure from runoff?	(Yes)	No

Other Comments:

Recommendations

Well needs to be redeveloped	**Yes**	(No)
Well needs to be re-surveyed.	**Yes**	(No)
Well needs to be repaired.	**Yes**	(No)
Well needs to be replaced.	**Yes**	(No)
Well needs to be properly abandoned.	**Yes**	(No)
No action necessary.	(Yes)	**No**

Comments

Inspected by: J. Morrissey
Date of Inspection: 5-6-19
Reviewed by: Stephen Souder **(Print)**
(Sign)

Appendix D

Purge Forms

Spring 2019 Standard Monitoring Well Purge Forms
Spring 2019 FLUTe™ Well Purge Forms

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LOW FLOW SAMPLING PURGE FORM

SITE:	Cornell Dubilier	**CONSULTING FIRM:**	EA
DATE:	6/11/19	**~~SDG~~ PROJECT #:**	63473.24
WEATHER:	Overcast, 65°F	**SAMPLER(S):**	J. Mara
MONITOR WELL #:	MW-01A	**WELL DEPTH:**	48.45 ft
SCREENED/OPEN INTERVAL:			ft
WELL PERMIT #:		**WELL DIAMETER:**	2 inches
PID/FID READINGS (ppm):	393.3	**PUMP INTAKE DEPTH:**	37 ft below TOC
HORIBA U-52 Water Quality Meter SN:	36835	**DEPTH TO WATER BEFORE PUMP INSTALLATION :**	8.59 ft below TOC
		Hurricane pump OR Mega Monsoon OR	QED MICROPURGE BLADDER (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
0753	X		18.06	NA	7.73	NA	135	NA	0.631	NA	26.2	NA	0.52	NA	200	8.59
0756	X		17.85	0.21	7.82	0.09	113	22	0.563	0.068	22.6	3.6	~~0.19~~ 0.19	0.33	200	8.62
0759	X		17.80	0.05	7.84	0.02	93	20	0.552	0.011	19.8	2.7	0.00	0.19	200	8.64
0802	X		17.76	0.04	7.86	0.02	71	22	0.550	0.002	19.2	0.6	0.00	0	200	8.64
0805	X		17.74	0.02	7.83	0.03	46	25	0.550	0	18.9	0.3	0.00	0	200	8.64
0808	X		17.75	0.01	7.81	0.02	4	42	0.548	0.002	17.7	1.2	0.00	0	200	8.64
0811	X		17.75	0	7.76	0.05	-46	50	0.546	0.002	17.4	0.3	0.00	0	200	8.65
0814	X		17.75	0	7.71	0.05	-63	17	0.545	0.001	16.8	0.6	0.00	0	200	8.67
0817	X		17.75	0	7.71	0	-70	7	0.545	0	17.0	0.2	0.00	0	200	8.67
0820	X		17.78	0.03	7.70	0.01	-74	4	0.545	0	16.2	0.8	0.00	0	200	8.67
0823	X		17.74	0.04	7.70	0	-76	2	0.545	0	16.6	0.4	0.00	0	200	8.67

COMMENTS:

Sample @ 0823

***INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate**

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
CONSULTING FIRM: EA
DATE: 10/19
~~SOV.~~ PROJECT #: 6384304
WEATHER: Overcast, Rain
SAMPLER(S): J. Marra / S. Soldier

MONITOR WELL #: MW-02A
WELL DEPTH: 49 ft
SCREENED/OPEN INTERVAL: ft
WELL PERMIT #:
WELL DIAMETER: 2 inches

PID/FID READINGS (ppm): 0.0
PUMP INTAKE DEPTH: 38 ft below TOC
HORIBA U-52 Water Quality Meter SN: 36835
DEPTH TO WATER BEFORE PUMP INSTALLATION : 10.70 ft below TOC
Hurricane pump OR Mega Monsoon OR QED Micropurge Bladder (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
0814	X		17.07	NA	7.45	NA	-119	NA	0.510	NA	0.0	NA	0.00	NA	200	10.70
0817	X		17.01	0.06	7.78	0.33	-141	22	0.507	0.003	0.0	0	0.00	0	200	10.74
0820	X		16.90	0.11	7.96	0.18	-168	27	0.505	0.002	0.0	0	0.00	0	200	10.77
0823	X		16.85	0.05	8.02	0.06	-182	14	0.505	0	0.0	0	0.00	0	200	10.79
0826	X		16.82	0.03	8.04	0.02	-189	7	0.505	0	0.0	0	0.00	0	200	10.91
0829	X		16.81	0.01	8.05	0.01	-194	5	0.504	0.001	0.0	0	0.00	0	200	11.00
0832	X		16.79	0.02	8.06	0.01	-197	3	0.504	0	0.0	0	0.00	0	200	11.09
0835	X	X	16.78	0.01	8.06	0.0	-198	1	0.504	0	0.0	0	0.00	0	200	11.20

COMMENTS:

Some black suspended solids; clear/colorless; no odor observed

Begin sampling @ 0835

Purged 1.5 gallons

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

1/2

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Purdue
DATE: 6/10/19
WEATHER: RAIN, SW 10 mph

CONSULTING FIRM: EA
~~SOV.~~ EA PROJECT #: [illegible]
SAMPLER(S): J. Murra / SGS

MONITOR WELL #: MW-3
WELL DEPTH: 29.75 ft
SCREENED/OPEN INTERVAL: _____ ft
WELL PERMIT #: _____
WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm): >15000
HORIBA U-52 Water Quality Meter SN: 21057

PUMP INTAKE DEPTH: 25 ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: 10.24 ft below TOC
Hurricane pump OR Mega Monsoon OR QED MICROPURGE BLADDER (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1143	X		16.14	NA	7.49	NA	39	NA	0.598	NA	406	NA	4.04	NA	200	10.24
1146	X		16.00	0.14	7.51	0.02	48	9	0.598	0	505	99	4.68	0.64	200	10.31
1149	X		15.91	0.09	7.55	0.04	75	27	0.598	0	947	442	5.60	0.92	200	10.34
1152	X		16.34	0.43	7.62	0.07	96	21	0.596	0.002	890	57	5.25	0.35	200	10.34
1155	X		16.17	0.17	7.60	0.02	98	2	0.601	0.005	710	180	5.35	0.10	200	10.34
1158	X		15.95	0.22	7.58	0.02	101	3	0.602	0.001	672	38	5.42	0.07	200	10.34
1201	X		15.84	0.11	7.59	0.01	109	8	0.607	0.005	540	132	5.47	0.05	200	10.34
1204	X		15.84	0.00	7.59	0.0	112	3	0.610	0.003	481	59	5.69	0.22	200	10.34
1207	X		15.86	0.02	7.59	0.0	115	3	0.613	0.003	414	67	5.36	0.33	200	10.34
1210	X		16.07	0.21	7.58	0.01	120	5	0.614	0.001	369	45	4.89		200	10.34
1213	X		16.10	0.03	7.58	0.00	123	3	0.616	0.02	335	34	4.62		200	10.34
1216	X		16.12	0.02	7.57	0.01	127	4	0.621	0.05	290	45	4.43		200	10.34
1219	X		16.13	0.01	7.56	1	130	3	0.624	0.03	261	29	4.39		200	10.34
1222	X		16.05	0.08	7.57	1	134	4	0.627	0.03	236	25	4.45		200	10.34
1225	X		16.09	0.04	7.57	0	135	1	0.629	0.02	224	12	4.44		200	10.34

COMMENTS:

TOTAL GAL. PURGED: 10 gal

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

2/2

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
DATE: SEE PAGE 1
WEATHER:

CONSULTING FIRM: EA
~~SOV.~~ EA PROJECT #: [illegible]
SAMPLER(S): JMARRA, SGS

MONITOR WELL #: MW-3
WELL DEPTH: 29.75 ft
SCREENED/OPEN INTERVAL: ____ ft
WELL PERMIT #:
WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm):
HORIBA U-52 Water Quality Meter SN: 21057

PUMP INTAKE DEPTH: 25 ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : 10.2 ft below TOC
Hurricane pump OR Mega Monsoon OR QED MICROPURGE BLADDER (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1228	X		16.12	NA	7.57	NA	137	NA	0.630	NA	200	NA	4.50	NA	200	10.34
1231	X		16.12	0	7.58	0.01	139	2	0.629	0.001	195	5	5.23	0.73	200	10.34
1234	X		16.17	0.05	7.59	0.01	147	8	0.631	0.002	185	10	5.02	0.21	200	10.34
1237	X		16.22	0.05	7.57	0.02	146	1	0.632	0.001	157	28	4.93	0.09	200	10.34
1240	X		15.90	.32	7.57	0.0	148	2	0.637	0.005	160	3	5.17	0.24	200	10.34
1243	X		15.82	0.08	7.59	0.02	148	0	0.640	0.003	162	2	5.63		200	10.34
1246	X		15.82	0	7.59	0.0	149	1	0.640	0.00	145	17	5.91	0.18	200	10.34
1249	X		15.80	0.02	7.60	0.01	150	1	0.640	0	140	5	5.80	0.09	200	10.34
1252	X		15.79	0.01	7.59	0.01	150	0	0.639	0.001	136	4	5.65	0.15	200	10.34
1255	X		15.81	0.02	7.59	0	151	1	0.640	0.001	127	9	5.64	0.01	200	10.34
1258	X		15.79	0.02	7.59	0	151	0	0.640	0	121	6	5.62	0.02	200	10.34
1301	X		15.78	0.01	7.60	0.01	153	2	0.640	0	115	6	5.33	0.29	200	10.34
1304	X		15.78	0	7.58	0.02	152	1	0.641	0.001	108	7	5.16	0.17	200	10.34
1307	X		15.80	0.02	7.58	0	153	1	0.643	0.002	101	7	5.27	0.11	200	10.34
1310	X		15.82	0.02	7.57	0.01	154	1	0.645	0.002	93.1	7.9	5.12	0.10	200	10.34

COMMENTS:

Sample @ 1331

WELL FLOODED w/ RUNOFF WATER PRIOR to SAMPLE
—NO SAMPLE COLLECTED

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
DATE: MW-03 6/12/19
WEATHER: Clear Sunny 70°F

CONSULTING FIRM: EA
~~SOL~~ PROJECT #: 6304304
SAMPLER(S): J Murn

MONITOR WELL #: MW-03
WELL DEPTH: _____ ft
SCREENED/OPEN INTERVAL: _____ ft
WELL PERMIT #: _____
WELL DIAMETER: _____ Inches

PID/FID READINGS (ppm): _____
HORIBA U-52 Water Quality Meter SN: 21057

PUMP INTAKE DEPTH: _____ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : _____ ft below TOC
Hurricane pump OR Mega Monsoon OR Bladder (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1223	X		22.21	NA	8.35	NA	-67	NA	0.470	NA	>1000	NA	0.00	NA	200	10.33
1226	X		20.60	1.61	8.04	0.31	-57	0.10	0.484	0.014	>1000	0	0.00	0	200	10.33
1229	X		20.77	0.17	7.82	0.22	-40	0.17	0.485	0.001	550	450	0.00	0	200	10.33
1232	X		20.90	0.13	7.70	0.12	-25	15	0.780	0.305	743	193	0.00	0	200	10.33
1235	X		20.98	0.08	7.64	0.06	-14	11	0.476	0.304	887	144	0.00	0	200	10.33
1238	X		22.94	0.04	7.75	0.11	39	25	0.451	0.025	>1000	113	0.00	0	200	10.33
1241	X		21.81	1.13	7.66	0.09	12	27	0.449	0.002	>1000	0	0.00	0	200	10.33
1244	X		21.60	0.21	7.60	0.06	-3	15	0.451	0.002	>1000	0	0.00	0	200	10.33
1247	X		21.55	0.05	7.51	0.09	-14	11	0.452	0.001	975	25	0.00	0	200	10.33
1250	X		21.54	0.01	7.55	0.04	-16	2	0.452	0	850	125	0.00	0	200	10.33
1253	X		21.46	0.08	7.54	0.01	-15	1	0.453	0.001	760	90	0.00	0	200	10.33
1256	X		21.44	0.02	7.53	0.01	-16	1	0.458	0.005	630	130	0.00	0	200	10.33
1259	X		21.48	0.04	7.52	0.01	-12	4	0.466	0.008	509	121	0.00	0	200	10.33
1302	X		21.29	0.	7.48	0.04	-16	4	0.484	0.018	430	79	0.00	0	200	10.33
1305	X		21.37		7.45	0.03	-25	9	0.503		360		0.00	0	200	10.33

COMMENTS:
Very turbid @ start. Repurging to sample after purging 5 gal runoff from well previous day.

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

Pg 2 of 3

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
DATE: 6/12/19
WEATHER: ~~Over~~ Sunny

CONSULTING FIRM: EA
SOV. PROJECT #: 6304304
SAMPLER(S): J. Marra

MONITOR WELL #: MW-03
WELL DEPTH: _____ ft
SCREENED/OPEN INTERVAL: _____ ft
WELL PERMIT #: _____
WELL DIAMETER: _____ Inches

PID/FID READINGS (ppm): _____
HORIBA U-52 Water Quality Meter SN: 21057

PUMP INTAKE DEPTH: _____ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: _____ ft below TOC
Hurricane pump OR Mega Monsoon OR Bladder (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1308	X		21.46	NA	7.43	NA	-29	NA	0.510	NA	379	NA	0.00	NA	200	10.73
1311	X		21.48	0.02	7.41	0.02	-32	3	0.515	0.005	305	34	0.00	0		
1314	X		21.47	0.01	7.39	0.02	-37	5	0.523	0.008	270	35	0.00	0		
1317	X		21.44	0.03	7.37	0.02	-41	4	0.534	0.018	235	35	0.00	0		
1320	X		21.36	0.08	7.37	0.0	-42	1	0.537	0.003	215	20	0.00	0		
1323	X		21.40	0.04	7.36	0.01	-43	1	0.541	0.004	~~21~~ 190	25	0.00	0		
1326	X		21.32	0.08	7.36	0	-45	2	0.546	0.005	175	15	0.00	0		
1329	X		21.32	0.0	7.34	0.02	-47	2	0.551	0.005	155	20	0.00	0		
1332	X		21.17	0.17	7.34	0	-48	1	0.554	0.003	140	15	0.00	0		
1335	X		21.12	0.05	7.33	0.01	-49	1	0.558	0.004	129	11	0.00	0		
1338	X		21.26	0.14	7.32	0.01	-51	2	0.561	0.003	122	17	0.00	0		
1341	X		21.36	0.10	7.33	0.01	-52	1	0.563	0.002	109	13	0.00	0		
1344	X		21.30	0.06	7.33	0	-54	2	0.565	0.002	102	7	0.00	0		
1347	X		21.36	0.06	7.32	0.01	-56	2	0.567	0.002	96.2	5.8	0.00	0		
1350	X		21.31	0.05	7.32	0	-57	1	0.569	0.002	91.2	5	0.00	0		

COMMENTS:

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

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LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
DATE: 6/12/19
WEATHER: Sunny

CONSULTING FIRM: EA
SOV. PROJECT #: 6304304
SAMPLER(S): T. Murra

MONITOR WELL #: MW-03
WELL DEPTH: _____ ft
SCREENED/OPEN INTERVAL: _____ ft
WELL PERMIT #: _____
WELL DIAMETER: _____ Inches

PID/FID READINGS (ppm): _____
HORIBA U-52 Water Quality Meter SN: 21057

PUMP INTAKE DEPTH: _____ ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : _____ ft below TOC
Hurricane pump OR Mega Monsoon OR Bladder (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1353	X		21.20	NA	7.32	NA	~~7.72~~ -58	NA	0.571	NA	81.3	NA	0.00	NA	200	10.33
1356	X		21.08	0.12	7.33	0.01	-59	1	0.572	0.001	76.7	4.6	0.00	0	↓	↓
1359	X		21.01	0.07	7.32	0.01	-61	2	0.574	0.002	69.3	7.4	0.00	0		
1402	X		21.05	0.04	7.30	0.02	-64	3	0.576	0.002	57.2	12.1	0.00	0		
1405	X		21.10	0.05	7.33	0.03	-66	2	0.576	0.00	48.6	8.6	0.00	0		
1408	X		21.12	0.02	7.35	0.02	-66	0	0.577	0.001	46.3	2.3	0.00	0		
1411	X	X	21.15	0.03	7.34	0.01	-67	1	0.578	0.001	47.2	0.9	0.00	0		

COMMENTS:
Sample @ 1411

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

PG 1 OF 2

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
DATE: 6/11/19
WEATHER: CLEAR, WINDY 70F

CONSULTING FIRM: EA
PROJECT #: 630430A
SAMPLER(S): J. Marm

MONITOR WELL #: MW-04
WELL DEPTH: 46.45 ft
SCREENED/OPEN INTERVAL: ft
WELL PERMIT #:
WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm): >15000
HORIBA U-52 Water Quality Meter SN: 36835

PUMP INTAKE DEPTH: 39 ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: 9.38 ft below TOC
Hurricane pump OR Mega Monsoon OR QED BLADDER (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1702	X		20.84	NA	7.55	NA	102	NA	0.441	NA	>1000	NA	0.00	NA	200	9.38
1705	X		19.25	0.41	7.45	0.1	91	11	0.439	0.002	>1000	0	0.00	0		9.42
1708	X		18.77		7.41	0.04	86	5	0.438	0.001	>1000	0	0.00	0		9.42
1711	X		17.69		7.40	0.01	81	5	0.440	0.002	>1000	0	0.00	0		9.42
1718	X		18.99		7.46	0.05	68	13	0.429	0.011	>1000	0	0.00	0		
1721	X		19.04		7.40	0.06	50	18	0.439	0.010	985	15	0.00	0		
1724	X		20.18		7.40	0	33	17	0.427	0.012	775	190	0.00	0		
1727	X		20.68		7.41	0.01	12		0.424	0.003	620	155	0.00	0		
1730	X		20.76		7.41	0	-1	13	0.423	0.001	542		0.00	0		
1733	X		19.66		7.39	0.02	-14	13	0.438	0.015	485		0.00	0		
1736	X		19.79		7.38	0.01	-20	0	0.435	0.003	400	85	0.00	0		
1739	X		20.24		7.38	0	-20	0	0.435	0	340	40	0.00	0		
1742	X		19.98		7.38	0	-27	7	0.435	0	295	45	0.00	0		
1745	X		19.69		7.38	0	-30	3	0.439	0.004	260	35	0.00	0		
1748	X		19.68		7.37		-33		0.438		230		0.00	0		

COMMENTS: Cleaned out Horiba after 1711 Reading

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE:	CORNELL DUBILIER	**CONSULTING FIRM:**	EA
DATE:		**PROJECT #:**	63647.07
WEATHER:		**SAMPLER(S):**	
MONITOR WELL #:	MW-04	**WELL DEPTH:** ____ ft	**SCREENED/OPEN INTERVAL:** ____ ft
WELL PERMIT #:		**WELL DIAMETER:** ____ Inches	
PID/FID READINGS (ppm):	SAME	**PUMP INTAKE DEPTH:** ____ ft below TOC	
HORIBA U-52 Water Quality Meter SN:		**DEPTH TO WATER BEFORE PUMP INSTALLATION :** ____ ft below TOC	
		Hurricane pump OR Mega Monsoon OR ____ (Circle One.)	

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C)		pH (pH units)		ORP (REDOX POTENTIAL) (mv)		SPECIFIC CONDUCTIVITY (mS/cm)		TURBIDITY (NTU)		DISSOLVED OXYGEN (mg/L)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1751	X		19.52	NA	7.32	NA	-35	NA	0.439	NA	211	NA	0.00	NA		9.92
1754	X		19.34	0.18	7.35	0.02	-37	2	0.446	0.001	189	22	0.00	0		
1801	X		19.00		7.43		-29		0.441		86.0		0.00	0		
1804	X		18.67		7.36		-32		0.445		69.9		0.00	0		
1807	X		18.60		7.30		-44		0.446		46.5		0.00	0		
1810	X		18.50		7.33		-46		0.447		40.3		0.00	0		
1813	X	X	18.58		7.35		-49		0.448		43.1		0.00	0		

COMMENTS: Clear at 1754

Reddish brown tint

Sample 1813

***INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate**

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE:	Cornell Dubilier	**CONSULTING FIRM:**	EA Engineering
DATE:	06/10/19	**EA PROJECT #:**	6304304
WEATHER:	Overcast Rain SW 10 mph 65°F	**SAMPLER(S):**	SGS, JMarra

MONITOR WELL #:	MW05	**WELL DEPTH:**	46.75 ft	**SCREENED/OPEN INTERVAL:**	ft
WELL PERMIT #:		**WELL DIAMETER:**	2 inches		

PID/FID READINGS (ppm): 41.8

HORIBA U-52 Water Quality Meter SN: 21057

PUMP INTAKE DEPTH: 35 ft below TOC

DEPTH TO WATER BEFORE PUMP INSTALLATION : 9.06 ft below TOC

Hurricane pump OR Mega Monsoon OR QED MICROPURGE BLADDER (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C)		pH (pH units)		ORP (REDOX POTENTIAL) (mv)		SPECIFIC CONDUCTIVITY (mS/cm)		TURBIDITY (NTU)		DISSOLVED OXYGEN (mg/L)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1342	Y		16.77	NA	7.92	NA	23	NA	0.389	NA	12.1	NA	0.74	NA	200	9.06
1345	Y		16.64	-0.13	7.80	-0.12	6	-17	0.393	+0.004	8.7	-3.7	0.00	—		9.10
1348	Y		16.76	+0.12	7.78	-0.02	1	-5	0.393	—	7.1	-1.6	0.00	—		9.11
1351	Y		16.79	+0.03	7.76	-0.02	-2	-3	0.394	+0.001	8.2	+1.1	0.00	—		9.11
1354	Y		16.74	-0.05	7.71	-0.05	-12	-10	0.396	+0.002	8.0	-0.2	0.00	—		9.11
1357	Y		16.79	+0.05	7.68	-0.03	-20	-8	0.398	+0.002	7.5	-0.5	0.00	—		9.11
1400	Y		16.81	+0.02	7.66	-0.02	-21	-1	0.399	+0.001	7.5	—	0.00	—		9.11
1403	Y		16.78	-0.03	7.66	—	-21	—	0.399	—	7.3	-0.2	0.00	—		9.11
1406	X		16.77	-0.01	7.66	—	-21	—	0.400	+0.001	7.4	+0.1	0.00	—		9.11
1409	X		16.76	-0.01	7.65	-0.01	-21	—	0.400	—	7.5	+0.1	0.00	—	↓	9.11
1412	X	X														

COMMENTS:

SAMPLE @ 1412

CLEAR/COLORLESS THROUGHOUT

NO ODOR OBSERVED

PURGED 2 GAL.

***INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate**

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
CONSULTING FIRM: EA
DATE: 6/11/19
SOV. PROJECT #: 6304304
WEATHER: Partly cloudy, windy 65°F
SAMPLER(S): J. Murra

MONITOR WELL #: MW-06
WELL DEPTH: 40.37 ft
SCREENED/OPEN INTERVAL: ____ ft
WELL PERMIT #:
WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm): 0.0
HORIBA U-52 Water Quality Meter SN: 36835
PUMP INTAKE DEPTH: 37 ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: 13.02 ft below TOC
Hurricane pump OR Mega Monsoon OR QED BLADDER (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
0927	X		19.71	NA	7.44	NA	141	NA	0.753	NA	>1000	NA	0.65	NA	200	13.02
0930	X		18.48		7.18		138		0.897		>1000		0.00	0.65	200	13.04
0933	X		18.02		7.19		132		0.900		>1000		0.00		200	13.05
0936	X		17.70		7.20		129		0.953		>1000		0.00		200	13.10
0939	X		17.62		7.24		132		0.885		>1000		0.25		200	13.19
0953	X		19.60		7.37		124		0.796		295		1.10		200	13.24
0956	X		19.14		7.33		116		0.787		472		0.72		200	13.30
0959	X		18.78		7.32		112		0.769		749		0.62		200	13.35
1002	X		18.70		7.32		109		0.752		973		0.53		200	13.41
1005	X		18.95		7.37		120		0.711		>1000		0.72		200	13.47
1008	X		19.00		7.37		116		0.710		988		0.56		200	13.52
1011	X		19.01		7.36		112		0.707		964		0.48		200	13.56
1014	X		19.04		7.36		109		0.705		924		0.39		200	13.65
1017	X		19.09		7.36		107		0.700		842		0.27		200	13.71
1020	X		19.14		7.36		106		0.696		830		0.92		200	13.80

COMMENTS: Cleared silt out of Horiba after 0939 reading

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
CONSULTING FIRM: EA
DATE: 6/11/19
SOV. PROJECT #: 6304304
WEATHER: Partly cloudy, windy 70°F
SAMPLER(S): J. Marsh

MONITOR WELL #: MW-06
WELL DEPTH: _____ ft
SCREENED/OPEN INTERVAL: _____ ft
WELL PERMIT #: _____
WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm): _____
PUMP INTAKE DEPTH: _____ ft below TOC
HORIBA U-52 Water Quality Meter SN: _____
DEPTH TO WATER BEFORE PUMP INSTALLATION : _____ ft below TOC
Hurricane pump OR Mega Monsoon OR _____ (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1023	X		19.26	NA	7.36	NA	106	NA	0.693	NA	771	NA	0.20	NA		13.90
1026	X		19.35	0.09	7.36	0	106	0	0.689	0.005	721	50	0.14	0.06		14.02
1029	X		19.43	0.08	7.37	0.01	105	1	0.684	0.004	681	40	0.13	0.01		14.13
1032	X		19.47	0.04	7.38	0.01	104	1	0.681	0.003	639	42	0.07	0.06		14.20
1035	X		19.53	0.06	7.38	0	105	1	0.677	0.004	607	32	0.05	0.02		14.30
1038	X		19.54	0.01	7.39	1	104	1	0.674	0.003	582	25	0.02	0.03		14.38
1041	X		19.52	0.02	7.39	0	104	0	0.672	0.002	554	28	0.00	0.02		14.45
1044	X		19.57	0.05	7.39	0	105	1	0.669	0.003	522	32	0.00	0		14.54
1047			19.37	0.20	7.39	0	105	0	0.682	0	500	22	0.00	0		14.64
1050			18.67		7.40	0.01	104	1	0.649		475	25	0.00	0		14.73
1053			18.57		7.41		105		0.640		437		0.00	0		14.80
1056			18.58		7.41		104		0.638		425		0.00	0		14.92
1059			18.86		7.42		104		0.631		369		0.07	0.07		15.00
1102			18.95		7.42		105		0.633		364		0.03	0.03		15.11
1105			18.87		7.42		105		0.639		358		0.00	0.03		15.20

COMMENTS: Cleared Horiba after 1105 Reading

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: CORNELL DUBILIER | CONSULTING FIRM: EA

DATE: | SDV. PROJECT #: 6524.04

WEATHER: | SAMPLER(S):

MONITOR WELL #: MW-02 | WELL DEPTH: ____ ft | SCREENED/OPEN INTERVAL: ____ ft

WELL PERMIT #: | WELL DIAMETER: ____ Inches

PID/FID READINGS (ppm): | PUMP INTAKE DEPTH: ____ ft below TOC

HORIBA U-52 Water Quality Meter SN: | DEPTH TO WATER BEFORE PUMP INSTALLATION : ____ ft below TOC

Hurricane pump OR Mega Monsoon OR ____(Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C)		pH (pH units)		ORP (REDOX POTENTIAL) (mv)		SPECIFIC CONDUCTIVITY (mS/cm)		TURBIDITY (NTU)		DISSOLVED OXYGEN (mg/L)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1119	X		18.89	NA	7.42	NA	104	NA	0.643	NA	345	NA	0.00	NA	200	15.28
1122	X		18.93	0.04	7.41	1	106	0	0.646	0.003	337	8	0.00		200	15.35
1125	X		18.90		7.42		105		0.653		319		0.00		200	15.42
1128	X		18.89		7.37		103		0.691		279		0.00		200	15.50
1139	X		18.92		7.36		103		0.695		277		0.00		200	15.59
1142			18.91		7.37		102		0.698		274		0.00		200	15.64
1152			18.96		7.44		96		0.704		207		0.00		200	15.90
1155			18.90		7.39		96		0.716		204		0.00		200	15.97
1208			18.90		7.34		95		0.731		192		0.00		200	16.21
1211			18.97		7.34		95		0.735		189		0.00		200	16.28
1214			18.92		7.33		95		0.739		186		0.00		200	
1217			18.93		7.34		96		0.742		182		0.00		200	
1220			18.93		7.32		96		0.745		180		0.00		200	
1223			19.11		7.32		96		0.744		178		0.00		200	
1226			19.19		7.32		97		0.754		176		0.00		200	

COMMENTS: Cleared out Horiba after 1125 reading + 1142 reading

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
CONSULTING FIRM: EA
DATE: 6/11/19
~~SOV.~~ PROJECT #: 6-504364
WEATHER:
SAMPLER(S):

MONITOR WELL #: MW-04
WELL DEPTH: _____ ft
SCREENED/OPEN INTERVAL: _____ ft
WELL PERMIT #:
WELL DIAMETER: _____ Inches

PID/FID READINGS (ppm):
PUMP INTAKE DEPTH: _____ ft below TOC
HORIBA U-52 Water Quality Meter SN:
DEPTH TO WATER BEFORE PUMP INSTALLATION : _____ ft below TOC
Hurricane pump OR Mega Monsoon OR _____ (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1229	X		19.15	NA	7.32	NA	98	NA	0.755	NA	173	NA	0.00	NA	200	
1232	X		19.21	0.06	7.32	0	97	1	0.760	0.005	171	2	0.00	0	200	
1235	X		19.35	0.14	7.31	0.01	98	01	0.761	0.001	168	3	0.00	0	200	
1238	X		19.41	0.06	7.31	0	98	0	0.767	0.006	164	4	0.00	0	200	
1241	X		19.46	0.05	7.31	0	98	0	0.769	0.002	163	1	0.00	0	200	
1244	X		19.36	0.10	7.30	0.01	98	0	0.774	0.005	161	2	0.00	0	200	16.89
1247	X		19.24	0.12	7.30	0	98	0	0.780	0.006	158	3	0.00	0	200	
1253	X		19.19	0.05	7.30	0	98	0	0.783	0.003	156	2	0.00	0	200	
1256	X		19.33	0.14	7.29	0.01	99	1	0.785	0.002	153	3	0.00	0	200	
1259	X		19.38	0.05	7.29	0	99	0	0.789	0.004	149	4	0.00	0	200	
1302	X		19.37	0.01	7.28	0.01	98	1	0.794	0.005	148	1	0.00	0	200	
1305	X		19.45	0.08	7.28	0	98	0	0.799	0.005	151	3	0.00	0	200	
1308	X		19.43	0.02	7.28		98		0.802		152		0.00	0	200	
1311	X		19.60	0.17	7.27		97		0.801		149		0.00			
1314	X		19.63		7.27		96		0.803		134					

COMMENTS:

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
CONSULTING FIRM: EA
DATE:
~~SOV.~~ PROJECT #: 6304304
WEATHER:
SAMPLER(S):

MONITOR WELL #: MW-04
WELL DEPTH: ____ ft
SCREENED/OPEN INTERVAL: ____ ft
WELL PERMIT #:
WELL DIAMETER: ____ Inches

PID/FID READINGS (ppm):
PUMP INTAKE DEPTH: ____ ft below TOC
HORIBA U-52 Water Quality Meter SN:
DEPTH TO WATER BEFORE PUMP INSTALLATION : ____ ft below TOC
Hurricane pump OR Mega Monsoon OR ____ (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C)		pH (pH units)		ORP (REDOX POTENTIAL) (mv)		SPECIFIC CONDUCTIVITY (mS/cm)		TURBIDITY (NTU)		DISSOLVED OXYGEN (mg/L)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1317	X		19.60	NA	7.27	NA	96	NA	0.810	NA	131	NA	0.00	NA	200	17.81
1320	X		19.62	0.02	7.26	0.01	95	1	0.812	0.002	124	6	0.00	0	200	
1323	X		19.67	0.05	7.23	0.03	94	1	0.816	0.004	120	4	0.00	0	200	
1326	X		19.63	0.04	7.26	0.03	92	2	0.817	0.001	121	1	0.00	0	200	
1329	X	X	19.67	0.04	7.26	0	92	0	0.819	0.002	121	0	0.00	0	200	17.91

COMMENTS:

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
CONSULTING FIRM: EA
DATE: 06/11/19
EA ENV. PROJECT #: 630430
WEATHER: CLEAR W 15mph 70F
SAMPLER(S): SSolomon JMarra

MONITOR WELL #: MW07
WELL DEPTH: 1220 ft
SCREENED/OPEN INTERVAL: ____ ft
WELL PERMIT #: ____
WELL DIAMETER: 2 inches

PID/FID READINGS (ppm): 7.5000
HORIBA U-52 Water Quality Meter SN: 21057
PUMP INTAKE DEPTH: 51 ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION : 15.01 ft below TOC
Hurricane pump OR Mega Monsoon OR QED Micro Bladder (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1537	X		22.37	NA	10.25	NA	-44	NA	0.180	NA	7.78	NA	6.52	NA	200	15.01
1540	X		21.35		10.31		48	4	0.179		748	30	5.55	0.97		15.03
1543	X		19.49		9.90		40	8	0.227		12.6	735.4	0.23	5.32		15.06
1546	X		19.48		9.47		38	2	0.278		12.4	0.2	0.00	0.23		15.07
1549	X		19.45		9.10		1	37	0.317		13.1	0.7	0.00	—		15.07
1552	X		19.22		9.01		-61	62	0.390		18.7	5.6	0.00	—		
1555	X		19.15		8.69		-95	34	0.414		17.7	1.0	0.00	—		
1558	X		19.23		8.35		-110	25	0.552		14.7	3.0	0.00	—		
1601	X		19.01		8.11	0.24	-110	—	0.711		17.1	2.4	0.00	—		
1604	X		18.79		7.21	0.90	-98	20	0.998		17.2	0.1	0.00	—		
1607	X		18.37		7.06	0.15	-88	2	1.430		20.8	3.6	0.00	—		
1610			18.58		7.04	0.02	-86	2	1.450		20.6	0.2	0.00	—		
1613			18.47		6.94	0.10	-79	7	1.520		21.1	0.5	0.00	—		
1616			18.51		6.92		-76	3	1.58		21.1	—	0.00	—		
1619			18.50		6.90		-74	2	1.51		20.9	0.2	0.00	—		

COMMENTS:

Sample @ 1619
3 Gal. Purged
Turbid/colorless @ first, cleared during purge
VOC, PCB-A, Pest., Metals
No odor observed

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE:	Corner	**CONSULTING FIRM:**	EA Engineering
DATE:	6/10/19	**~~SDG~~ PROJECT #:**	63043.04
WEATHER:	Overcast, Rain, Calm, 65F	**SAMPLER(S):**	SGS / JM Arra

MONITOR WELL #:	MW 08	**WELL DEPTH:**	59.55 ft	**SCREENED/OPEN INTERVAL:**	ft
WELL PERMIT #:		**WELL DIAMETER:**	2 inches		

PID/FID READINGS (ppm): 112.1

HORIBA U-52 Water Quality Meter SN: 36835

PUMP INTAKE DEPTH: 50 ft below TOC

DEPTH TO WATER BEFORE PUMP INSTALLATION : _____ ft below TOC

Hurricane pump OR Mega Monsoon OR QED MicroPurge Bladder **(Circle One.)**

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C)		pH (pH units)		ORP (REDOX POTENTIAL) (mv)		SPECIFIC CONDUCTIVITY (mS/cm)		TURBIDITY (NTU)		DISSOLVED OXYGEN (mg/L)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1548	X		17.52	NA	8.25	NA	134	NA	0.343	NA	24.7	NA	1.39	NA	200	
1551	X		17.36	-0.16	8.25	—	136	+2	0.402	+0.059	24.0	-0.7	0.0	—		
1554	X		17.26	-0.10	8.11	-0.14	81	-55	0.556	+0.154	23.1	-0.9	0.0	—		
1557	X		17.25	-0.01	8.01	-0.10	77	-4	0.614	+0.058	21.9	-1.2	0.0	—		
1600	X		17.25	—	7.69	-0.32	57	-20	0.734	+0.120	20.2	-1.7	0.0	—		
1603	X		17.25	—	7.66	-0.03	28	-29	0.744	+0.010	19.1	-1.1	0.0	—		
1606	X		17.25	—	7.55	-0.11	10	-18	0.768	+0.024	18.8	-0.3	0.0	—		
1609	X		17.26	+0.01	7.49	-0.06	-14	-24	0.781	+0.013	18.4	-0.4	0.0	—		
1612	X		17.26	—	7.45	-0.01	-17	-3	0.788	+0.007	18.2	-0.2	0.0	—		
1615	X		17.26	—	7.40	-0.05	-24	-7	0.795	+0.007	18.2	—	0.0	—		
1618	X		17.25	-0.01	7.41	+0.01	-30	-6	0.800	+0.005	18.1	-0.1	0.0	—		
1621	X		17.25	—	7.39	-0.02	-31	-1	0.800	—	17.9	-0.2	0.0	—		
1624	X		17.26	+0.01	7.38	-0.01	-31	—	0.801	0.001	18.0	+0.1	0.0	—		
1627	X	X														

COMMENTS:

SAMPLED @ 1627- PURGED 2.5 GAL. WATER CLEAR / COLORLESS THROUGHOUT

NO ODOR OBSERVED

***INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate**

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell
CONSULTING FIRM: EA
DATE: MW-9 6/12/19
EA ~~SCI~~ PROJECT #: 6304304
WEATHER: Overcast Rain 65°F
SAMPLER(S): J. Mura

MONITOR WELL #: MW-09
WELL DEPTH: 56.05 ft
SCREENED/OPEN INTERVAL: _____ ft
WELL PERMIT #: 0.0
WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm): _____
HORIBA U-52 Water Quality Meter SN: 21057
PUMP INTAKE DEPTH: 43 ft below TOC
DEPTH TO WATER BEFORE PUMP INSTALLATION: 13.80 ft below TOC
Hurricane pump OR Mega Monsoon OR ~~QED MicroPurge~~ Laspeer (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1525	X		18.58	NA	7.21	NA	145	NA	1.87	NA	483	NA	2.47	NA	200	13.80
1528	X		18.32		7.14	0.06	137	~~138~~	1.90	0.03	242	24.1	1.49		200	13.90
1531	X		18.10	0.22	7.10	0.04	130	0.7	1.94	0.04	16.7	~~0.1~~	0.67	0	200	13.90
1534	X		18.00	0.10	7.08	0.02	127	3	1.96	0.02	1.6	15.1	0.00	0.67	200	13.90
1537	X		17.76	0.24	7.02	0.06	124	3	2.02	0.06	0.0	1.6	0.00	0	200	13.90
1540	X		17.61	0.15	6.98	0.04	118	6	2.05	0.03	0.0	0	0.00	0	200	13.92
1543	X		17.53	0.08	6.96	0.02	114	4	2.06	0.01	0.0	0	0.00	0	200	13.92
1546	X		17.49	0.04	6.96	0	111	3	2.06	0	0.0	0	0.00	0	200	13.92
1549	X	X	17.49	0	6.95	0.01	108	3	2.06	0	0.0	0	0.00	0	200	13.92

COMMENTS:

Sample C 1549

TOTAL GAL PURGED: 1.5 gal

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE: Cornell Dubilier
CONSULTING FIRM: EA
DATE: 6/10/19
~~SOV.~~ PROJECT #: 6304304
WEATHER: OVERCAST, RAIN, SW 10mph 65F
SAMPLER(S): SGS / JMARRA

MONITOR WELL #: MW-10
WELL DEPTH: 53.55 ft
SCREENED/OPEN INTERVAL: _____ ft
WELL PERMIT #: _____
WELL DIAMETER: 2 Inches

PID/FID READINGS (ppm): 0.0
PUMP INTAKE DEPTH: 45 ft below TOC
HORIBA U-52 Water Quality Meter SN: 36835
DEPTH TO WATER BEFORE PUMP INSTALLATION : 11.10 ft below TOC
Hurricane pump OR Mega Monsoon OR QED MicroPurge Bladder (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C) READING	TEMPERATURE CHANGE*	pH (pH units) READING	pH CHANGE*	ORP (REDOX POTENTIAL) (mv) READING	ORP CHANGE*	SPECIFIC CONDUCTIVITY (mS/cm) READING	SPECIFIC CONDUCTIVITY CHANGE*	TURBIDITY (NTU) READING	TURBIDITY CHANGE*	DISSOLVED OXYGEN (mg/L) READING	DISSOLVED OXYGEN CHANGE*	PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
1212	X		19.94	NA	10.08	NA	32	NA	0.208	NA	18.7	NA	1.82	NA	200	11.10
1215	X		18.90	-1.04	9.36	-0.72	51	+19	0.214	+0.006	17.5	-1.3	0.98	-0.84		11.12
1218	X		17.97	-0.93	8.52	-0.84	62	+11	0.218	+0.004	21.0	+3.5	0.50	-0.48		11.12
1221	X		17.75	-0.22	8.39	-0.13	68	+7	0.221	0.003	26.2	+5.2	0.00	-.50		11.13
1224	X		17.66	-0.09	8.35	-0.04	70	+2	0.221	—	27.2	+1.0	0.00	—		11.13
1227	X		17.62	-0.04	8.34	-0.01	71	+1	0.221	—	27.8	+0.6	0.00	—		11.13
1230	X		17.57	-0.05	8.33	-0.01	71	—	0.221	—	26.9	-0.9	0.00	—		11.13
1233	X		17.53	0.04	8.32	-0.01	72	+1	0.221	—	26.3	-0.6	0.00	—		11.13
1236	X	X	17.51	-0.02	8.30	-0.01	72	—	0.221	—	26.5	+0.2	0.00	—		11.13

COMMENTS:

Sampled @ 1236

WATER CLEAR, W/ SLIGHT ORANGE TINT THROUGHOUT PURGING
NO ODOR OBSERVED

PURGED 1.5 GAL

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE:	Cornell Dubilier	**CONSULTING FIRM:**	EA
DATE:	06/11/19	**EA PROJECT #:**	6304304
WEATHER:	CLEAR, SW 15 mph, 70F	**SAMPLER(S):**	SGS, JMARRA
MONITOR WELL #:	MW-11	**WELL DEPTH:**	58.5 ft
SCREENED/OPEN INTERVAL:			ft
WELL PERMIT #:		**WELL DIAMETER:**	2 inches
PID/FID READINGS (ppm):	8.0	**PUMP INTAKE DEPTH:**	46 ft below TOC
HORIBA U-52 Water Quality Meter SN:	21057	**DEPTH TO WATER BEFORE PUMP INSTALLATION :**	ft below TOC
		Hurricane pump OR Mega Monsoon OR	DED MICROPURGE BLADDER (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C)		pH (pH units)		ORP (REDOX POTENTIAL) (mv)		SPECIFIC CONDUCTIVITY (mS/cm)		TURBIDITY (NTU)		DISSOLVED OXYGEN (mg/L)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1348	X		20.53	NA	7.76	NA	45	NA	0.210	NA	18.9	NA	5.82	NA	200	11.39
1351	X		19.55	0.98	8.01	0.28	51	6	0.116	0.094	3.4	15.5	4.43	0.59		11.41
1354	X		18.31	1.24	8.29	0.28	74	23	0.065	0.051	0.0	3.4	3.80	0.63		11.40
1357	X		18.28	0.03	8.25	0.04	80	6	0.064	0.001	0.0	—	3.74	0.06		11.40
1400	X		18.00	0.28	8.28	0.03	81	1	0.060	0.004	0.0	—	3.67	0.07		11.39
1403	X		18.02	0.02	8.31	0.03	80	1	0.063	0.001	0.0	—	3.72	0.05		11.39
1406	X		17.68	0.34	8.67	0.36	74	6	0.081	0.019	0.0	—	2.10	1.62		11.39
1409	X		17.76	0.08	8.64	0.03	79	5	0.266	0.185	0.0	—	0.00	2.10		
1412	X		17.81	0.05	7.44	1.20	102	23	0.456	0.188	0.0	—	0.00	—		
1415	X		17.64	0.17	7.23	0.21	74	28	0.528	0.072	0.0	—	0.00	—		
1418	X		17.62	0.02	7.27	0.04	47	27	0.665	0.137	0.0	—	0.00	—		
1421	X		17.58	0.04	7.31	0.04	45	2	0.661	0.004	0.0	—	0.00	—		
1424	X		17.58	—	7.33	0.02	44	1	0.667	0.006	0.0	—	0.00	—		
1427	X		17.55	0.03	7.35	0.02	43	1	0.669	0.002	0.0	—	0.00	—		
1430	X	X	17.58	0.03	7.36	0.01	42	1	0.669	—	0.0	—	0.00	—		

COMMENTS:

SAMPLE @ 1430

GAL. PURGED: 3

CLEAR, COLORLESS THROUGHOUT; NO ODOR OBSERVED

***INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate**

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE:	CORNELL DUBILIER	CONSULTING FIRM:	EA
DATE:	06/11/19	~~SEV~~ EA PROJECT #:	G3804304
WEATHER:	PT CLOUDY SW 10-15 mph 70F	SAMPLER(S):	SSOLOMON, JMARRA
MONITOR WELL #:	MW-12	WELL DEPTH: 57.90 ft	SCREENED/OPEN INTERVAL: ft
WELL PERMIT #:		WELL DIAMETER: 2 Inches	
PID/FID READINGS (ppm):	0.0	PUMP INTAKE DEPTH: ft below TOC	
HORIBA U-52 Water Quality Meter SN:	2057	DEPTH TO WATER BEFORE PUMP INSTALLATION : ft below TOC	
		Hurricane pump OR Mega Monsoon OR QED MicroPurge Bladder (Circle One.)	

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C)		pH (pH units)		ORP (REDOX POTENTIAL) (mv)		SPECIFIC CONDUCTIVITY (mS/cm)		TURBIDITY (NTU)		DISSOLVED OXYGEN (mg/L)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
1108	X		20.54	NA	8.31	NA	95	NA	0.259	NA	30.7	NA	6.05	NA	200	12.70
1111	X		19.51	1.03	8.45	0.14	91	4	0.215	0.044	27.1	3.6	6.26	0.21		12.72
1114	X		18.71	0.8	8.52	0.07	86	5	0.197	0.018	28.6	1.5	6.02	—		12.73
1117	X		18.51	0.20	8.53	0.01	86	—	0.194	0.003	31.0	2.4	6.00	0.02		12.73
1120	X		18.18	0.33	8.53	—	86	—	0.194	—	34.6	3.6	5.97	0.03		12.73
1123	X		18.10	0.08	7.25	1.27	40	46	0.789	0.595	151	116.4	0.00	5.97		
1126	X		18.04	0.06	7.20	0.02	3	37	0.881	0.092	274	123	0.00	—		
1129	X		18.01	0.03	7.18	0.02	-23	26	0.917	0.036	303	29	0.00	—		
1132	X		17.81	0.20	7.12	0.06	-26	3	1.08	0.163	284	19	0.00	—		
1135	X		17.87	0.06	7.01	0.11	-35	89	1.46	0.38	191	93	0.00	—		
1138	X		17.90	0.03	7.01	—	-32	3	1.45	0.01	153	38	0.00	—		
1141	X		17.84	0.06	7.01	—	-32	—	1.46	0.01	130	23	0.00	—		
1144	X		17.85	0.01	7.01	—	-25	7	1.47	0.01	42.0	88	0.00	—		
1147	X		17.87	0.02	7.01	—	-24	1	1.47	—	33.0	9	0.00	—		
1150	X		17.89	0.02	7.02	0.01	-24	—	1.47	—	26.5	6.5	0.00			

COMMENTS:

STARTED @ 1102

PURGED: 4 GAL

MS/MSD HELE

CLEAR @ FIRST, BROWN CLOUDY MIDDLE PORTION OF PURGING, THEN CLEARED

NO ODORS OBSERVED

***INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate**

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

LOW FLOW SAMPLING PURGE FORM

SITE:	CORNELL DUBILIER	CONSULTING FIRM:	EA
DATE:	06/11/19	SOV. PROJECT #:	6304304
WEATHER:	PT CLOUDY SW 10-15 mph 70F	SAMPLER(S):	SSOLDNER J MARRA

MONITOR WELL #: MW-12 WELL DEPTH: _____ ft SCREENED/OPEN INTERVAL: _____ ft

WELL PERMIT #: _____ WELL DIAMETER: 2 inches

PID/FID READINGS (ppm): SAME PUMP INTAKE DEPTH: _____ ft below TOC

HORIBA U-52 Water Quality Meter SN: SAME DEPTH TO WATER BEFORE PUMP INSTALLATION : _____ ft below TOC SAME

Hurricane pump OR Mega Monsoon OR _____ (Circle One.)

TIME	PURGING	SAMPLING	TEMPERATURE (degrees C)		pH (pH units)		ORP (REDOX POTENTIAL) (mv)		SPECIFIC CONDUCTIVITY (mS/cm)		TURBIDITY (NTU)		DISSOLVED OXYGEN (mg/L)		PUMPING RATE (ml/min)	DEPTH TO WATER (ft below TOC)
			READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*	READING	CHANGE*		
				NA		NA		NA		NA		NA		NA		
1153	X		17.90	0.01	7.02	—	-24	—	1.49	0.002	23.9	2.6	0.00	—	200	12.73
1156	X		17.91	0.01	7.02	—	-24	—	1.49	—	18.7	5.2	0.00	—		
1159			17.93	0.02	7.02	—	-24	—	1.49	—	18.5	0.2	0.00	—		
1202			17.90	0.03	7.02	—	-24	—	1.49	—	18.4	0.1	0.00	—		

COMMENTS:

*INDICATOR PARAMETERS HAVE STABLIZED WHEN 3 CONSECUTIVE READINGS ARE WITHIN: ± 0.1 for pH; ± 3% for Specific Conductivity and Temperature; ± 10 mv for Redox Potential; and ± 10% for Dissolved Oxygen and Turbidity; 0.30' Max. Drawdown; 100-500 mL flow rate

*Analysis Methods: SM 2510 B - Specific Conductivity; EPA 180.1 - Turbidity; SM4500-O G - Dissolved Oxygen; SM4500-H B - pH; SM2550 B - Temperature

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT1	Port Number: 1

Background Information

Date: 6-10-14 Time: 0800
Weather/Temp: raining, 60's
Field Technician: JM, GR

Port Information

Well Installation Date: 6/9/08 Well Depth to Water (ft bgs): 1.08
Port Interval: _____ Port Depth to Water (ft bgs): 6.59

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L): _____
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30		
Start Time:	0822	0857	0932		
Temperature (°C):	18.39	14.38	15.61		
pH (Standard Units):	5.62	7.15	7.20		
Conductivity (mS/cm):	0.590	0.529	0.539		
Dissolved Oxygen (mg/L):	1.26	2.26	1.96		
ORP (mV):	210	116	113		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0856	0902	0937		
Total Purge Time:	4	5	5		
Volume Purged (L):	5.5	4.75	5		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba | U22 | SR6WN356 453

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 3
Start Time: 1007 End Time: 1330
Sample ID: UTM03-ERT1-1-S14 QA/QC Sample Collected: DUPLICATE (MS/MSD)

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial)) Metals (500 mL HDPE) (PCB Congeners (1 L amber))
SVOCs 1 L amber) (Pesticides (1 L amber)) Dioxins/Furans (1 L amber)
(PCD Arochlor (1 L amber))

Notes: Had to recharge several times to get all samples

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT1	Port Number: 2

Background Information

Date: 6-10-19 Time: 0800
Weather/Temp: Rainy, 60's
Field Technician: JM, GR

Port Information

Well Installation Date: 6/9/08 Well Depth to Water (ft bgs): 1.08
Port Interval: 33-43 Port Depth to Water (ft bgs): 7.78

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30		
Start Time:	0822	0857	0932		
Temperature (°C):	16.13	15.55	1507		
pH (Standard Units):	6.21	7.16	7.19		
Conductivity (mS/cm):	0.516	0.486	0.480		
Dissolved Oxygen (mg/L):	1.17	2.03	1.24		
ORP (mV):	177	111	110		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0826	0902	0937		
Total Purge Time:	4	5	5		
Volume Purged (L):	5	5	5.25		
Odor Observation:	NONE	NONE	NONE		
Visual Observation:	NONE	NONE	NONE		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba / U22XD / SR6WN2Y6 452

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 3
Start Time: 1007 End Time: 1230
Sample ID: LTM3-ERT1-2-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: Had to recharge several times DURING SAMPLING

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-1 | Port Number: 3

Background Information

Date: 6-10-19 Time: 0800
Weather/Temp: Rainy, 60's
Field Technician: JM, GR

Port Information

Well Installation Date: 6/9/08 Well Depth to Water (ft bgs): 1.08
Port Interval: 46-56 Port Depth to Water (ft bgs): 7.76

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30		
Start Time:	0822	0857	0932		
Temperature (°C):	15.54	15.28	15.02		
pH (Standard Units):	6.42	7.15	7.15		
Conductivity (mS/cm):	0.516	0.492	0.492		
Dissolved Oxygen (mg/L):	0.85	1.80	0.70		
ORP (mV):	155	108	107		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0826	0902	0937		
Total Purge Time:	4	5			
Volume Purged (L):	5	5	5		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN) 0.17
Water Quality Meter Make/Model/Serial#: Horiba/21227/~~SRGWN276~~ U52

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 3
Start Time 1007 End Time: 1230
Sample ID: UTM03-ERT1-3-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial) Metals (500 mL HDPE) PCB Congeners (1 L amber)
SVOCs 1 L amber) Pesticides (1 L amber) Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes: Had to recharge several times DURING SAMPLING

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WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-1 | Port Number: 4

Background Information

Date: 6-16-19 | Time: 0800
Weather/Temp: Rainy 60's
Field Technician: JM / GR

Port Information

Well Installation Date: 06/09/17 08 | Well Depth to Water (ft bgs): 1.08
Port Interval: 59-69 | Port Depth to Water (ft bgs): 7.73

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30		
Start Time:	0822	0857	0932		
Temperature (°C):	15.40	15.12	14.42		
pH (Standard Units):	6.58	7.13	7.15		
Conductivity (mS/cm):	0.495	0.490	0.490		
Dissolved Oxygen (mg/L):	1.07	[illegible]	1.08		
ORP (mV):	135	104	103		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0826	0902	0937		
Total Purge Time:	4	5	5		
Volume Purged (L):	5.5	6	5		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba / U22XD / SRQWM2Y6

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 3
Start Time: 1007 | End Time: 1230
Sample ID: LTM03-ERT1-4-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	(Pesticides (1 L amber))	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes: Had to recharge several times During sampling

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
'ask: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-1 | Port Number: 5

Background Information

Date: 6-10-19 Time: 0860
Weather/Temp: rainy, 60's
Field Technician: JM, GR

Port Information

Well Installation Date: 6/9/08 Well Depth to Water (ft bgs): 1.08
Port Interval: 67-77 Port Depth to Water (ft bgs): 7.73

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30		
Start Time:	0822	0857	0932		
Temperature (°C):	15.32	~~[illegible]~~ 15.13	15.08		
pH (Standard Units):	6.63	7.12	7.14		
Conductivity (mS/cm):	0.492	0.488	0.488		
Dissolved Oxygen (mg/L):	1.49	1.68	0.84		
ORP (mV):	125	101	101		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0902	0937		
Total Purge Time:	5	5	5		
Volume Purged (L):	5.5	5	5.25		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba/21227/~~[illegible]~~ U52

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 3
Start Time: 1007 End Time: 1230
Sample ID: UTM03-ERT1-5-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial) Metals (500 mL HDPE) PCB Congeners (1 L amber)
SVOCs 1 L amber) Pesticides (1 L amber) Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes Had to recharge several times DURING SAMPLING

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-1 | Port Number: 6

Background Information

Date: 6-10-19 Time: 0800
Weather/Temp: rainy, 60's
Field Technician: JM, GR

Port Information

Well Installation Date: 6/9/08 Well Depth to Water (ft bgs): 1.08
Port Interval: 100-105 Port Depth to Water (ft bgs): 7.58

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30		
Start Time:	0822	0857	0932		
Temperature (°C):	15.27	15.16	15.16		
pH (Standard Units):	6.63	7.11	7.12		
Conductivity (mS/cm):	0.523	0.511	0.508		
Dissolved Oxygen (mg/L):	1.15	1.69	0.54		
ORP (mV):	121	96	96		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0902	0937		
Total Purge Time:	5	5	5		
Volume Purged (L):	5.5	5	5.5		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba / 21227 / ~~SRGNW276~~ 452

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 3
Start Time: 1007 End Time: 1230
Sample ID: LTM03-ERT1-6-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial) Metals (500 mL HDPE) PCB Congeners (1 L amber)
SVOCs 1 L amber) Pesticides (1 L amber) Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes Had to recharge several times DURING SAMPLING

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT - 1 | Port Number: 7

Background Information

Date: 6-10-19 | Time: 0800
Weather/Temp: Rainy, 60's
Field Technician: JM, BR

Port Information

Well Installation Date: 6/9/2008 | Well Depth to Water (ft bgs): 1.08
Port Interval: 112-117 | Port Depth to Water (ft bgs): 7.55

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30		
Start Time:	0822	0857	0932		
Temperature (°C):	15.31	15.16	15.40		
pH (Standard Units):	6.63	7.10	7.13		
Conductivity (mS/cm):	0.449	0.537	0.534		
Dissolved Oxygen (mg/L):	0.97	2.04	0.80		
ORP (mV):	115	93	89		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0902	0937		
Total Purge Time:	5	5	5		
Volume Purged (L):	6	5	4.5		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba / 21227 / [illegible] 451

Sample Collection Information

Sample Pressure (psi): 57 | Volume Discarded (L): 3
Start Time: 1007 | End Time: 1230
Sample ID: UM03-ERT1-7-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: Had to recharge several times DURING SAMPLING

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-1 | Port Number: 8

Background Information

Date: 6-18-19 | Time: 1800
Weather/Temp: Rainy, 60's
Field Technician: JM, GR

Port Information

Well Installation Date: 6/9/08 | Well Depth to Water (ft bgs): 1.08
Port Interval: 135-140 | Port Depth to Water (ft bgs): 7.46

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30		
Start Time:	0822	0857	0932		
Temperature (°C):	15.77	15.33	15.77		
pH (Standard Units):	6.67	7.10	7.13		
Conductivity (mS/cm):	0.605	0.595	0.596		
Dissolved Oxygen (mg/L):	0.86	1.03	1.99		
ORP (mV):	111	90	87		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0902	0937		
Total Purge Time:	5	5	5		
Volume Purged (L):	5.25	5	4.5		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21727

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 3
Start Time: 1007 | End Time: 1230
Sample ID: UTM03-ERT1-8-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL Vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	(Pesticides (1 L amber))	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:
Hard to recharge several times DURING SAMPLING

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-2 | Port Number: 1

Background Information

Date: 06 12 19 | Time: 0750
Weather/Temp: CLEAR WS 70F
Field Technician: JMMRA SGS

Port Information

Well Installation Date: | Well Depth to Water (ft bgs):
Port Interval: 25-35 | Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 20 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	18	18		
Start Time:	0815	0840	0906		
Temperature (°C):	17.83	16.66	17.25		
pH (Standard Units):	7.53	7.90	7.57		
Conductivity (mS/cm):	2.57	3.75	4.10		
Dissolved Oxygen (mg/L):	14.17	0.77	0.00		
ORP (mV):	33	53	25		
Turbidity (NTU):	7.7	14.8	22		
Stop Time:	0822	0848			
Total Purge Time:	7	8	9		
Volume Purged (L):	3	3	3		
Odor Observation:	None	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21857

Sample Collection Information

Sample Pressure (psi): 50 | Volume Discarded (L): 0.25
Start Time: 0924 | End Time: 0950
Sample ID: CTMB3-ERT2-1-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	~~Pesticides (1 L amber)~~	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT- 2 | Port Number: 2

Background Information

Date: 06/21/19 | Time: 0750
Weather/Temp: CLEAR WIND 5 70F
Field Technician: JMARRA, SGS

Port Information

Well Installation Date: | Well Depth to Water (ft bgs):
Port Interval: 40-50 | Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 70 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	18	18		
Start Time:	0815	840	0906		
Temperature (°C):	17.79	18.51	16.96		
pH (Standard Units):	7.52	7.52	7.55		
Conductivity (mS/cm):	1.96	1.85	2.20		
Dissolved Oxygen (mg/L):	3.19	0.43	0.00		
ORP (mV):	-8	33	17		
Turbidity (NTU):	13.9	11.9	0.0		
Stop Time:	0822	0848	0914		
Total Purge Time:	7	8	8		
Volume Purged (L):	3	3	3		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA U52 21222

Sample Collection Information

Sample Pressure (psi): 50 | Volume Discarded (L): 0.75
Start Time: 0924 | End Time: 0930
Sample ID: CTMW3-ERT2-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~ | ~~Metals (500 mL HDPE)~~ | PCB Congeners (1 L amber)
SVOCs 1 L amber) | Pesticides (1 L amber) | Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site

Task: OU3 Groundwater Long-Term Monitoring Round 2

Well:	ERT - 2	Port Number:	3

Background Information

Date: 061219 Time: 0750

Weather/Temp: CLEAR WIND 70F

Field Technician: JMARNT / SGS

Port Information

Well Installation Date: _____ Well Depth to Water (ft bgs): _____

Port Interval: 70-75 Port Depth to Water (ft bgs): _____

Purge Information

Purge Pressure (PSI): 7 | Purge Volume (L): _____

Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume: _____

Purge Number:	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	18	18		
Start Time:	0815	0840	0906		
Temperature (°C):	16.83	19.09			
pH (Standard Units):	7.77	7.68			
Conductivity (mS/cm):	0.580	0.137			
Dissolved Oxygen (mg/L):	9.15	0.75			
ORP (mV):	7	33			
Turbidity (NTU):	5.7	13.6			
Stop Time:	0822	0848			
Total Purge Time:	7	8			
Volume Purged (L):	3	3			
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.17

Water Quality Meter Make/Model/Serial#: HORIBA U52 21057

Sample Collection Information

Sample Pressure (psi): 50 Volume Discarded (L): 0.25

Start Time: 0924 End Time: 0950

Sample ID: LTM03-ERT2-3-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

STOPPED MAKING WATER AFTER 2ND PURGE

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site

Task: OU3 Groundwater Long-Term Monitoring Round 2

Well:	ERT - 2	Port Number:	4

Background Information

Date: 08/21/19 Time: 0750

Weather/Temp: CLEAR WS 70F

Field Technician: JMARRA - SGS

Port Information

Well Installation Date: Well Depth to Water (ft bgs):

Port Interval: ~~59-69~~ (S) 97-107 Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):

Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	13	18		
Start Time:	0815	0840	0906		
Temperature (°C):	16.51	17.92	17.96		
pH (Standard Units):	8.05	7.84	7.74		
Conductivity (mS/cm):	~~1.07~~ 1.07	0.952	0.602		
Dissolved Oxygen (mg/L):	3.69	0.00	0.00		
ORP (mV):	5	19	18		
Turbidity (NTU):	6.0	18.6	0.0		
Stop Time:	0822	0842			
Total Purge Time:	7	8	8		
Volume Purged (L):	3	3	3		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.17

Water Quality Meter Make/Model/Serial#: HORIBA U52 21057

Sample Collection Information

Sample Pressure (psi): 50 Volume Discarded (L): 0.25

Start Time: (S) ~~0927~~ 0932 End Time: 0950

Sample ID: LTM19-ERT2-4-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT - 2 | Port Number: 5

Background Information

Date: 061219 | Time: 0750
Weather/Temp: Clear, WSW, 70F
Field Technician: JMcGA, SGS

Port Information

Well Installation Date: | Well Depth to Water (ft bgs):
Port Interval: 67-77, 113-123 | Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	18	18		
Start Time:	0815	0840	0906		
Temperature (°C):	16.92	17.69	17.44		
pH (Standard Units):	7.76	7.81	7.73		
Conductivity (mS/cm):	0.109	0.280	0.479		
Dissolved Oxygen (mg/L):	0.03	0.00	0.00		
ORP (mV):	66	20	-4		
Turbidity (NTU):	4.8	8.2	1		
Stop Time:	0822	0848	0914		
Total Purge Time:	7	8	8		
Volume Purged (L):	3	3	3		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21057

Sample Collection Information

Sample Pressure (psi): 50 | Volume Discarded (L): 0.75
Start Time: 0932 | End Time: 0950
Sample ID: CTM07-ERT2-5-S1 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	(Pesticides (1 L amber))	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT - 2 | Port Number: 6

Background Information

Date: 06 12 19 | Time: 0750
Weather/Temp: CLEAR / W5 mph 70F
Field Technician: TMARRA / CGS

Port Information

Well Installation Date: _____ | Well Depth to Water (ft bgs): _____
Port Interval: 100-105 | Port Depth to Water (ft bgs): _____

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L): _____
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	18	18		
Start Time:	0815	0840	0906		
Temperature (°C):	16.67	17.53	17.15		
pH (Standard Units):	7.71	7.64	7.97		
Conductivity (mS/cm):	0.076	0.370	0.443		
Dissolved Oxygen (mg/L):	8.36	0.80	0.00		
ORP (mV):	83	28	9		
Turbidity (NTU):	7.6	3.8	3.6		
Stop Time:	0822	0848	0914		
Total Purge Time:	7	8	8		
Volume Purged (L):	3	3	3		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21057

Sample Collection Information

Sample Pressure (psi): 50 | Volume Discarded (L): 0.25
Start Time: _____ | End Time: 0950
Sample ID: LTMBJ-ERT2-6-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	~~Pesticides (1 L amber)~~	Dioxins/Furans (1 L amber)
	~~PCB Arochlor (1 L amber)~~	

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT- 2 | Port Number: 7

Background Information

Date: 06 12 19 | Time: 0750
Weather/Temp: Clear, WSmpl 70F
Field Technician: JMiller, SGS

Port Information

Well Installation Date: _____ | Well Depth to Water (ft bgs): _____
Port Interval: ~~117-117~~ 127-137 (B) | Port Depth to Water (ft bgs): _____

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L): _____
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	18	18		
Start Time:	0815	0840	0906		
Temperature (°C):	16.39	17.53	19.31		
pH (Standard Units):	8.11	7.69	8.07		
Conductivity (mS/cm):	0.609	0.361	0.397		
Dissolved Oxygen (mg/L):	~~42~~ 0.65	0.0	0.00		
ORP (mV):	92	21	-7		
Turbidity (NTU):	5.9	7.6	3.1		
Stop Time:	0822	0848	0914		
Total Purge Time:	7	8	8		
Volume Purged (L):	3	3	3		
Odor Observation:	None	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21057

Sample Collection Information

Sample Pressure (psi): 50 | Volume Discarded (L): 0.25
Start Time: 0902 | End Time: 0950
Sample ID: GW03-ERT2-7-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	~~PCB Aroclor (1 L amber)~~	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-3 | Port Number: 1

Background Information

Date: 6/6/19 | Time: 0730
Weather/Temp: Clear, N 5 mph 70F
Field Technician: JM/SS

Port Information

Well Installation Date: 6/9/08 | Well Depth to Water (ft bgs): 5.68
Port Interval: 27-37 | Port Depth to Water (ft bgs): 8.59

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		15	15		
Start Time:	0742	0805	0824		
Temperature (°C):	18.40	17.65	19.40		
pH (Standard Units):	7.53	7.01	7.14		
Conductivity (mS/cm):	1.74	1.60	1.82		
Dissolved Oxygen (mg/L):	2.35	2.19	2.57		
ORP (mV):	104	92	95		
Turbidity (NTU):	201	3.0	1.6		
Stop Time:	0750	0806	0829		
Total Purge Time:	8	4	5		
Volume Purged (L):	4.5	4.5	5		
Odor Observation:	None	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.3
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21237

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 0.25
Start Time: 0834 | End Time: 0848
Sample ID: LTM02-ERT3-1-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-3 | Port Number: 2

Background Information

Date: 6/6/19 | Time: 0730
Weather/Temp: CLEAR, N 10 mph, 70F
Field Technician: JMARRA, SGS

Port Information

Well Installation Date: 6/9/08 | Well Depth to Water (ft bgs): 5.68
Port Interval: 55-65 | Port Depth to Water (ft bgs): 9.19

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		15	15		
Start Time:	0742	0805	0824		
Temperature (°C):	16.91	16.85	17.97		
pH (Standard Units):	7.31	7.13	7.30		
Conductivity (mS/cm):	1.12	1.29	1.33		
Dissolved Oxygen (mg/L):	1.58	0.93	1.81		
ORP (mV):	95	81	85		
Turbidity (NTU):	0.0	1.7	1.5		
Stop Time:	0750	0809	0827		
Total Purge Time:	8	4	5		
Volume Purged (L):	5	5	5		
Odor Observation:	Slight sulfur	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.3
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 0.25
Start Time: 0814 | End Time: 0818
Sample ID: LTM03-ERT3-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-7 | Port Number: 3

Background Information

Date: 10/08/19 | Time: 0730
Weather/Temp: CLEAR, N 10mph, 70F
Field Technician: JMARRA, SGS

Port Information

Well Installation Date: 06/09/05 | Well Depth to Water (ft bgs): 5.68
Port Interval: 90 - 105 | Port Depth to Water (ft bgs): 9.44

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		15	15		
Start Time:	0742	0805	0821		
Temperature (°C):	16.66	16.22	16.93		
pH (Standard Units):	7.17	7.03	7.18		
Conductivity (mS/cm):	1.17	1.47	1.51		
Dissolved Oxygen (mg/L):	1.56	0.78	0.81		
ORP (mV):	121	77	80		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0758	0809	0829		
Total Purge Time:	8	4	5		
Volume Purged (L):	5	5	5		
Odor Observation:	SLIGHT SULFUR	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.3
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 31227

Sample Collection Information

Sample Pressure (psi): 53 | Volume Discarded (L): 0.25
Start Time: 0844 | End Time: 0848
Sample ID: LTM02-ERT3-3-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-3 | Port Number: 4

Background Information

Date: 06/06/19 | Time: 0730
Weather/Temp: CLEAR, N 18 mph, 70 F
Field Technician: J MARRA, SGS

Port Information

Well Installation Date: 06/09/08 | Well Depth to Water (ft bgs): 5.68
Port Interval: N/A | Port Depth to Water (ft bgs): 9.18

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30			
Start Time:	0712	0715			
Temperature (°C):	16.74				
pH (Standard Units):	7.14				
Conductivity (mS/cm):	0.155				
Dissolved Oxygen (mg/L):	4.02				
ORP (mV):	-53				
Turbidity (NTU):	0.2				
Stop Time:	0749				
Total Purge Time:	37				
Volume Purged (L):	5				
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN):
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 53 | Volume Discarded (L): —
Start Time: — | End Time: —
Sample ID: LTM03-ERT3-4-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCB Arochlor (1 L amber))	

Notes:
DID NOT PRODUCE H_2O AFTER 1ST PURGE.

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-3 | Port Number: 5

Background Information

Date: 06/06/19 | Time: 0730
Weather/Temp: CLEAR, N 10 mph, 70F
Field Technician: J MORRA, SGS

Port Information

Well Installation Date: 06/09/2009 | Well Depth to Water (ft bgs): 5.68
Port Interval: 124-134 | Port Depth to Water (ft bgs): 6.98

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	15	15		
Start Time:	0742	0805	0824		
Temperature (°C):	16.65	16.16	16.45		
pH (Standard Units):	7.17	7.38	7.40		
Conductivity (mS/cm):	0.554	0.587	0.541		
Dissolved Oxygen (mg/L):	1.09	1.30	1.41		
ORP (mV):	-24	51	50		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0747	0809	0829		
Total Purge Time:	2	4	5		
Volume Purged (L):	5	5	5		
Odor Observation:	N	N	N		
Visual Observation:	N	N	N		

Average Recovery Rate (L/MIN): 0.3
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / D1227

Sample Collection Information

Sample Pressure (psi): 53 | Volume Discarded (L): 0.25
Start Time: 0844 | End Time: 0849
Sample ID: LTM03-ERT3-5-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-3 | Port Number: 6

Background Information

Date: 06 06 19 | Time: 0730
Weather/Temp: CLEAR, N 10 mph, 70F
Field Technician: JMARRA, SGS

Port Information

Well Installation Date: 06/09/08 | Well Depth to Water (ft bgs): 5.68
Port Interval: 138 - 148 | Port Depth to Water (ft bgs): 7.20

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		15	15		
Start Time:	0742	0805	0821		
Temperature (°C):	16.64	15.91	16.01		
pH (Standard Units):	7.07	7.40	7.49		
Conductivity (mS/cm):	0.525	0.530	0.533		
Dissolved Oxygen (mg/L):	0.62	1.80	1.87		
ORP (mV):	-23	49	60		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0745	0809	0829		
Total Purge Time:	4	4	5		
Volume Purged (L):	5	5	5		
Odor Observation:	N	N	N		
Visual Observation:	N	N	N		

Average Recovery Rate (L/MIN): 0.3
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 53 | Volume Discarded (L): 0.25
Start Time: 0844 | End Time: 0848
Sample ID: LTM03-ERT3-6-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-4	Port Number: 1

Background Information

Date: 06/07/19 Time: 0745
Weather/Temp: Hazy / SW 5mph 65
Field Technician: SGS / J Marra

Port Information

Well Installation Date: 06/2008 Well Depth to Water (ft bgs): 9.28
Port Interval: 27-37 Port Depth to Water (ft bgs): 4.48

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L): 5.21
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume: 15.63

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23		
Start Time:	0757	0825	0851		
Temperature (°C):	17.27	16.60	17.02		
pH (Standard Units):	7.38	7.74	7.70		
Conductivity (mS/cm):	0.563	0.567	0.566		
Dissolved Oxygen (mg/L):	0.98	2.58	2.89		
ORP (mV):	27	100	90		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0802	0828	0851		
Total Purge Time:	5	3	3		
Volume Purged (L):	4	4	4		
Odor Observation:	None	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Florida / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 0.25
Start Time: 0917 End Time: 0922
Sample ID: LTM03-ERT4-1-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	ERT-4	Port Number:	2

Background Information

Date: 06/07/19 Time: 0715
Weather/Temp: Hazy, SW 5 mph, 65F
Field Technician: SGS, JMARRA

Port Information

Well Installation Date: 06/2008 Well Depth to Water (ft bgs): 9.28
Port Interval: 46-56 Port Depth to Water (ft bgs): 3.32

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L): 5.32
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume: 15.96

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23		
Start Time:	0757	0825	0851		
Temperature (°C):	15.49	15.89	16.17		
pH (Standard Units):	7.90	7.66	7.54		
Conductivity (mS/cm):	0.551	0.554	0.559		
Dissolved Oxygen (mg/L):	1.51	1.40	1.09		
ORP (mV):	39	103	87		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0802	0828	0854		
Total Purge Time:	5	3	3		
Volume Purged (L):	4	4	4		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21237

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 0.25
Start Time: 0917 End Time: 0921
Sample ID: LTM03-ERT4-2-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ER T-4	Port Number: 3

Background Information

Date: 06/07/19 Time: 0745
Weather/Temp: Hazy, SW 5 mph, 65 F
Field Technician: SG, J MARRA

Port Information

Well Installation Date: 06/2008 Well Depth to Water (ft bgs): 9.28
Port Interval: 61-66 Port Depth to Water (ft bgs): 3.20

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L): 5.36
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume: 16.08

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23		
Start Time:	0757	0825	0851		
Temperature (°C):	14.74	15.36	15.59		
pH (Standard Units):	7.32	7.53	7.45		
Conductivity (mS/cm):	0.550	0.557	0.556		
Dissolved Oxygen (mg/L):	2.60	3.17	1.93		
ORP (mV):	43	103	83		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0802	0828	0851		
Total Purge Time:	5	3	3		
Volume Purged (L):	5.5	4	4		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 0.25
Start Time: 0917 End Time: 0921
Sample ID: LTM03-ER14-3-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	ERT - 4	Port Number:	4

Background Information

Date: 060719 Time: 0745
Weather/Temp: HAZY, SW 5 mph, 65 F
Field Technician: SGS JMARA

Port Information

Well Installation Date: 06/2008 Well Depth to Water (ft bgs): 0928
Port Interval: 83-88 Port Depth to Water (ft bgs): 2.75

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L): 5.41
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume: 16.23

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23		
Start Time:	0757	0825	0851		
Temperature (°C):	17.29	15.94	15.48		
pH (Standard Units):	7.27	7.43	7.38		
Conductivity (mS/cm):	0.557	0550	0.495		
Dissolved Oxygen (mg/L):	2.45	2.82	1.57		
ORP (mV):	46	100	83		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0802	0828	0854		
Total Purge Time:	3	3	3		
Volume Purged (L):	4	4	4		
Odor Observation:	None	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / J1222

Sample Collection Information

Sample Pressure (psi) 52 Volume Discarded (L) 0.25
Start Time: 0917 End Time 0922
Sample ID: LTM03 - ERT4 - 4 - 519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial)) Metals (500 mL HDPE) (PCB Congeners (1 L amber))
SVOCs 1 L amber) Pesticides (1 L amber) (Dioxins/Furans (1 L amber))
PCD Arochlor (1 L amber)

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-4 | Port Number: 5

Background Information

Date: 06/07/19 | Time: 0745
Weather/Temp: Hazy, SW 5 mph, 65
Field Technician: SAS / JMARRA

Port Information

Well Installation Date: 06/2008 | Well Depth to Water (ft bgs): 9.28
Port Interval: 91-186 | Port Depth to Water (ft bgs): 2.29

Purge Information

Purge Pressure (PSI): | Purge Volume (L):
Suggested Number of Purges: | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23		
Start Time:	0757	0825	0851		
Temperature (°C):	14.60	14.67	15.21		
pH (Standard Units):	7.25	7.44	7.43		
Conductivity (mS/cm):	0.497	0.549	0.551		
Dissolved Oxygen (mg/L):	2.31	1.45	2.31		
ORP (mV):	47	95	75		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0802	0828	0854		
Total Purge Time:	5	3	3		
Volume Purged (L):	1	1	1		
Odor Observation:	None	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA U52 / 21227

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 0.25
Start Time: 0917 | End Time: 0922
Sample ID: LTM03-ERT4-5-319 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-4 | Port Number: 6

Background Information

Date: 06/07/19 | Time: 0745
Weather/Temp: Hazy, SW 5 mph, 65F
Field Technician: SGS / J MARRA

Port Information

Well Installation Date: 06/2008 | Well Depth to Water (ft bgs): 9.28
Port Interval: 111 - 116 | Port Depth to Water (ft bgs): 3.23

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23		
Start Time:	0757	0825	0851		
Temperature (°C):	14.36	14.73	14.99		
pH (Standard Units):	7.33	7.41	7.40		
Conductivity (mS/cm):	0.542	0.537	0.538		
Dissolved Oxygen (mg/L):	2.07	0.86	1.63		
ORP (mV):	50	89	85		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0802	0828	0855		
Total Purge Time:	5	3	4		
Volume Purged (L):	4	4	4		
Odor Observation:	None	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 0.25
Start Time: 0917 | End Time: 0921
Sample ID: LTM03 - ERT4 - 6 - S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-4 | Port Number: 7

Background Information

Date: 06/07/19 | Time: 0745
Weather/Temp: HAZY, SW 5mph, 65F
Field Technician: SGS / JMARRA

Port Information

Well Installation Date: 06/2008 | Well Depth to Water (ft bgs): 9.28
Port Interval: 128-138 | Port Depth to Water (ft bgs): 312

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23		
Start Time:	0757	0825	0851		
Temperature (°C):	14.56	14.87	15.20		
pH (Standard Units):	7.38	7.40	7.39		
Conductivity (mS/cm):	0.538	0.538	0.537		
Dissolved Oxygen (mg/L):	2.63	4.00	2.65		
ORP (mV):	53	81	77		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0802	0828	0855		
Total Purge Time:	5	3	4		
Volume Purged (L):	1	4	4		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 0.25
Start Time: 0917 | End Time: 0921
Sample ID: LTM03-ERT4-7-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-5 | Port Number: 1

Background Information

Date: 6/4/19 | Time: 1130
Weather/Temp: Clear, Sun 70°F
Field Technician: JM/SS

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): 1.01
Port Interval: 24-34 | Port Depth to Water (ft bgs): 0.62

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	28	11		
Start Time:	1138	1219	1235		
Temperature (°C):	17.95	20.74	18.39		
pH (Standard Units):	7.90	7.64	7.85		
Conductivity (mS/cm):	0.110	0.266	0.408		
Dissolved Oxygen (mg/L):	3.17	14.14	1.96		
ORP (mV):	41	-77	103		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	1141	1224	1239		
Total Purge Time:	3	5	4		
Volume Purged (L):	5.5	5	4.75		
Odor Observation:	None	None	None		
Visual Observation:	Clear/None	Clear/None	None		

Average Recovery Rate (L/MIN): 0.45
Water Quality Meter Make/Model/Serial#: Horiba U52 21277

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 0.25
Start Time: 1259 | End Time: 1309
Sample ID: LTM03-ERT5-1-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ECT-5	Port Number: 2

Background Information

Date: 6/4/19 Time: 1130
Weather/Temp: Clear Sun 70°F
Field Technician: JM/SS

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 1.01
Port Interval: 37-47 Port Depth to Water (ft bgs): 8.31

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	28	11		
Start Time:	~~18.52~~ 1138	1219	1235		
Temperature (°C):	~~9.60~~ ~~18.52~~	18.58	17.54		
pH (Standard Units):	7.50	7.60	7.59		
Conductivity (mS/cm):	0.041	0.423	0.446		
Dissolved Oxygen (mg/L):	5.41	10.79	9.08		
ORP (mV):	410	-59	102		
Turbidity (NTU):	55.2	0.10	0.0		
Stop Time:	1141	1220	1235		
Total Purge Time:	3	5	4		
Volume Purged (L):	5	5	4.75		
Odor Observation:	None	N	N		
Visual Observation:	Clear/None	N	N		

Average Recovery Rate (L/MIN): 0.45
Water Quality Meter Make/Model/Serial#: HORIBA U52 / 21277

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 0.25
Start Time: 1258 End Time: 1304
Sample ID: LTM03-ECT-2-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-5 | Port Number: 3

Background Information

Date: 6/4/19 | Time: 1130
Weather/Temp: clear sun 70°F
Field Technician: JM/SS

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): 1.01
Port Interval: 50-60 ft | Port Depth to Water (ft bgs): 6.59

Purge Information

Purge Pressure (PSI): 21 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	~	28	11		
Start Time:	1138	1219	1235		
Temperature (°C):	16.36	16.92	16.28		
pH (Standard Units):	7.74	7.62	7.49		
Conductivity (mS/cm):	0.450	0.406	0.420		
Dissolved Oxygen (mg/L):	10.10	14.81	9.73		
ORP (mV):	37	0	98		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	1141	1224	1239		
Total Purge Time:	3	5	4		
Volume Purged (L):	5	5	4.75		
Odor Observation:	None	N	N		
Visual Observation:	clear/none	N	N		

Average Recovery Rate (L/MIN): 0.45
Water Quality Meter Make/Model/Serial#: HORIBA U52 21777

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 0.25
Start Time: 1258 | End Time: 1304
Sample ID: LTMD3-ERT5-3-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-5 | Port Number: 4

Background Information

Date: 6/4/19 | Time: 1130
Weather/Temp: CLEAR, WS 65F
Field Technician: SGS/TM

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): 1.01
Port Interval: 77-87 | Port Depth to Water (ft bgs): 6.55

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		32	11		
Start Time:	1137	1219	1235		
Temperature (°C):	15.52	16.55	15.77		
pH (Standard Units):	7.67	7.58	7.47		
Conductivity (mS/cm):	0.442	0.437	0.436		
Dissolved Oxygen (mg/L):	9.37	6.72	9.93		
ORP (mV):	20	15	94		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	1141	1224	1239		
Total Purge Time:	4	5	4 (TM)		
Volume Purged (L):	5	5	4.75 5		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.45
Water Quality Meter Make/Model/Serial#: HORIBA U-52 / 21227

Sample Collection Information

Sample Pressure (psi): 54 | Volume Discarded (L): 0.25
Start Time: 1258 | End Time: 1304
Sample ID: LTM03-ERT5-4-0519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-5 | Port Number: 5

Background Information

Date: 6/4/19 | Time: 1130
Weather/Temp: Clear, W 5 mph, 65F
Field Technician: Stephen Goldner, J Maara

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): ~~1.81~~ 1.81
Port Interval: 93-98 | Port Depth to Water (ft bgs): 6.28

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		32	11		
Start Time:	1137	1219	1235		
Temperature (°C):	15.54	15.94	15.73		
pH (Standard Units):	7.60	7.49	7.44		
Conductivity (mS/cm):	0.496	0.429	0.444		
Dissolved Oxygen (mg/L):	4.54	12.73	5.85		
ORP (mV):	21	31	90		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	1141	1224	1239		
Total Purge Time:	4	5	5.1		
Volume Purged (L):	5	5	4		
Odor Observation:	None	N	N		
Visual Observation:	None	N	N		

Average Recovery Rate (L/MIN): 0.45
Water Quality Meter Make/Model/Serial#: HORIBA U-52 / 21227

Sample Collection Information

Sample Pressure (psi): 54 | Volume Discarded (L): 0.25
Start Time: 1258 | End Time: 1304
Sample ID: LTM03-ERT5-5-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site

Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-5 | Port Number: 6

Background Information

Date: 6/4/19 | Time: 1130

Weather/Temp: CLEAR, W 5 mph, 65F

Field Technician: S.SOLOMON, J.MADRA

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): ~~8~~1.01

Port Interval: 120-130 | Port Depth to Water (ft bgs): 7.19

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):

Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		32	11		
Start Time:	1137	1219	1235		
Temperature (°C):	15.81	15.84	15.76		
pH (Standard Units):	7.56	7.41	7.44		
Conductivity (mS/cm):	0.428	0.429	0.429		
Dissolved Oxygen (mg/L):	9.56	8.03	9.37		
ORP (mV):	35	41	79		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	1141	1224	1239		
Total Purge Time:	4	5	4.		
Volume Purged (L):	5	5	4.9		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.45

Water Quality Meter Make/Model/Serial#: HORIBA U-52 21227

Sample Collection Information

Sample Pressure (psi): 54 | Volume Discarded (L): 0.25

Start Time: 1258 | End Time: 1304

Sample ID: LTM03-ERT5-06-519 | QA/QC Sample Collected: DUPLICATE MS/MSD NONE

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-6 | Port Number: 1

Background Information

Date: 6/4/19 Time: 0900
Weather/Temp: sunny / 60's
Field Technician: J. Morrissey, G. Reeder, S. Goldner, J. Marra

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 5.44
Port Interval: 26-36 Port Depth to Water (ft bgs): 7.64

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	39		
Start Time:	0817	0846	0920		
Temperature (°C):	13.42	12.75	13.05		
pH (Standard Units):	6.44	7.24	7.64		
Conductivity (mS/cm):	0.363	0.330	0.318		
Dissolved Oxygen (mg/L):	0.00	0.00	0.00		
ORP (mV):	145	-18	-7		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0824	0850	0923		
Total Purge Time:	7 min	4	3		
Volume Purged (L):	5	3	2		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.227
Water Quality Meter Make/Model/Serial#: Horiba U-52 - 21277

Sample Collection Information

Sample Pressure (psi): 53 Volume Discarded (L): 10
Start Time: 1000 End Time: 1005
Sample ID: LTM6-ERT6 1-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT - 6	Port Number: 2

Background Information

Date: 6/4/19 Time: 0800
Weather/Temp: Sunny 60's
Field Technician: J. Murrisky, G. Reeder, S. Goldner, J. Murray

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 5.64
Port Interval: 75-85 Port Depth to Water (ft bgs): 6.98

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	30		
Start Time:	0811	0846	0920		
Temperature (°C):	13.63	13.47	13.39		
pH (Standard Units):	6.35	7.64	7.81		
Conductivity (mS/cm):	0.514	0.430	0.424		
Dissolved Oxygen (mg/L):	1.09	6.21	5.74		
ORP (mV):	228	107	127		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0824	0850	0923		
Total Purge Time:	7 mins	4	3		
Volume Purged (L):	5.5	4	2		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.18
Water Quality Meter Make/Model/Serial#: HORIBA U52 / 21277

Sample Collection Information

Sample Pressure (psi): 53 Volume Discarded (L): 11.5
Start Time: 1000 End Time: 1005
Sample ID: ETM03-ERT6-2-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-6 | Port Number: 3

Background Information

Date: 6/4/19 Time: 0800
Weather/Temp: Sunny, 60's
Field Technician: J. Morrissey, G. Reeder, S. Soldner, J. Marra

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 5.64
Port Interval: 75-85 Port Depth to Water (ft bgs): 6.98

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	30		
Start Time:	0817	0846	0920		
Temperature (°C):	13.67	13.55	13.47		
pH (Standard Units):	6.79	7.52	7.64		
Conductivity (mS/cm):	0.471	0.437	0.430		
Dissolved Oxygen (mg/L):	4.10	5.33	6.21		
ORP (mV):	172	106	107		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0824	0850	0920		
Total Purge Time:	7 min	4	3		
Volume Purged (L):	6 ~~gallons~~	3.5	1		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.18
Water Quality Meter Make/Model/Serial#: HORIBA U52 21277

Sample Collection Information

Sample Pressure (psi): 53 Volume Discarded (L): 10.5
Start Time: 1000 End Time: 1005
Sample ID: LTM19-ERT6-3-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT - 6	Port Number: 4

Background Information

Date: 6/4/19 Time: 0800
Weather/Temp: sunny, 60's
Field Technician: J. Morrissey, C. Reeder, S. Sobinor, J. Marra

Port Information

Well Installation Date: 2012 Well Depth to Water (ft bgs): 5.64
Port Interval: 102-117 Port Depth to Water (ft bgs): 7.39

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	22	29		
Start Time:	0817	846	0920		
Temperature (°C):	13.26	12.93	17.61		
pH (Standard Units):	6.84	7.40	7.59		
Conductivity (mS/cm):	0.375	0.358	0.447		
Dissolved Oxygen (mg/L):	2.42	0.00	8.70		
ORP (mV):	171	68	129		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0824	0851	0923		
Total Purge Time:	7 min	5	3		
Volume Purged (L):	6	3	1		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.14
Water Quality Meter Make/Model/Serial#: HORIBA U-52 / 36835

Sample Collection Information

Sample Pressure (psi): 57 Volume Discarded (L): 10
Start Time: 1000 End Time: 1005
Sample ID: GMoi-ERT6-4-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes: Sample port w/ slight leak

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT-6 | Port Number: 5

Background Information

Date: 6/4/19 Time: 0800
Weather/Temp: Sunny, 60's
Field Technician: J. Morrissey, G. Reeder, G. Soldner, J. Marra

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 5.64
Port Interval: 75-85 Port Depth to Water (ft bgs): 6.89

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	30		
Start Time:	0817	0846	092		
Temperature (°C):	13.67	13.63	12.99		
pH (Standard Units):	7.04	7.51	8.02		
Conductivity (mS/cm):	0.471	0.443	0.355		
Dissolved Oxygen (mg/L):	1.24	3.01	3.70		
ORP (mV):	149	106	67		
Turbidity (NTU):	0.0	0.0	1.0		
Stop Time:	0824	0851	0923		
Total Purge Time:	7 mins	5	3		
Volume Purged (L):	6 ~~gallons~~	2	1		
Odor Observation:	None	None	None		
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN):
Water Quality Meter Make/Model/Serial#: Horiba U52 36135

Sample Collection Information

Sample Pressure (psi): 53 Volume Discarded (L): 9
Start Time: 1000 End Time: 1005
Sample ID: LTM03-ERT6-5-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes: Needed to recharge well twice to finish sampling

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT 7	Port Number: 1

Background Information

Date: 06/06/19 Time: 0915
Weather/Temp: CLEAR NW 5 70F
Field Technician: SS JMARSH

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 0.2
Port Interval: 25-35 Port Depth to Water (ft bgs): 10.96

Purge Information

Purge Pressure (PSI): 60 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20		
Start Time:	0934	1000	1025		
Temperature (°C):	19.50	19.09	18.95		
pH (Standard Units):	7.17	7.93	7.91		
Conductivity (mS/cm):	14.8	2.37	1.99		
Dissolved Oxygen (mg/L):	2.86	1.39	1.30		
ORP (mV):	-203	51	53		
Turbidity (NTU):	2.8	8.0	4.0		
Stop Time:	0938	1005	1031		
Total Purge Time:	6	5	6		
Volume Purged (L):	4	3	3		
Odor Observation:	N	N	N		
Visual Observation:	N	N	N		

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 0.25
Start Time: 1051 End Time: 1054
Sample ID: LTM03-ERT7-1-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT7 | Port Number: 2

Background Information

Date: 060619 Time: 0915
Weather/Temp: CLEAR, NW5, 70F
Field Technician: SGS J MARRA

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 0.2
Port Interval: 45-55 Port Depth to Water (ft bgs): 16.90

Purge Information

Purge Pressure (PSI): 60 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	22		
Start Time:	0934	1000	1025		
Temperature (°C):	16.17	17.61	17.60		
pH (Standard Units):	7.91	7.96	8.01		
Conductivity (mS/cm):	1.32	0.670	0.637		
Dissolved Oxygen (mg/L):	2.00	2.14	2.51		
ORP (mV):	-181	-13	-31		
Turbidity (NTU):	0.00	1.3	0.0		
Stop Time:	0938	1003	1028		
Total Purge Time:	4	3	3		
Volume Purged (L):	4	~~3~~ 2	2		
Odor Observation:	N	N	N		
Visual Observation:	N	N	N		

Average Recovery Rate (L/MIN): 0.11
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 0.25
Start Time: 1051 End Time: 1054
Sample ID: LTM03-ERT7-2-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT 7 | Port Number: 3

Background Information

Date: 06 06 19 | Time: 0915
Weather/Temp: CLEAR NW5, 70F
Field Technician: SGS, JMARR

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): 0.2
Port Interval: 65-75 | Port Depth to Water (ft bgs): 15.72

Purge Information

Purge Pressure (PSI): 60 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		220	220		
Start Time:	0934	1000	1025		
Temperature (°C):	16.49	17.34	17.37		
pH (Standard Units):	7.54	7.26	7.27		
Conductivity (mS/cm):	2.30	2.12	0.992		
Dissolved Oxygen (mg/L):	1.49	1.86	1.90		
ORP (mV):	-172	-21	-8		
Turbidity (NTU):	1.7	0.0	0.0		
Stop Time:	0938	1004	1029		
Total Purge Time:	4	4	4		
Volume Purged (L):	4	3	3		
Odor Observation:	NONE	N	N		
Visual Observation:	NONE	N	N		

Average Recovery Rate (L/MIN): 0.14
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 40 | Volume Discarded (L): 0.25
Start Time: 1051 | End Time: 1054
Sample ID: LTM03 - ~~ERT7~~ - ERT7 - 3 - S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	(Metals (500 mL HDPE))	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCB Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT7	Port Number: 4

Background Information

Date: 8/06/19 Time: 0915
Weather/Temp: CLEAR, NW 5 mph, 70F
Field Technician: SGS, JMARA

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 0.2
Port Interval: 100 - 110 Port Depth to Water (ft bgs): 6.10

Purge Information

Purge Pressure (PSI): 60 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	22		
Start Time:	0934	1000	1025		
Temperature (°C):	15.90	16.08	15.97		
pH (Standard Units):	7.76	7.96	7.63		
Conductivity (mS/cm):	0.788	0.518	0.459		
Dissolved Oxygen (mg/L):	1.09	1.24	2.21		
ORP (mV):	-160	-16	-20		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0938	1004	1029		
Total Purge Time:	4	4	4		
Volume Purged (L):	4	3	3		
Odor Observation:	N	N	N		
Visual Observation:	N	N	N		

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 0.25
Start Time: 1051 End Time: 1054
Sample ID: LTM03-ERT7-4-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well:	ERT7	Port Number:	5

Background Information

Date: 06/26/19 Time: 0915
Weather/Temp: CLEAR, NW 5 mph, 70F
Field Technician: SGS, JMARRA

Port Information

Well Installation Date: 2008 Well Depth to Water (ft bgs): 0.2
Port Interval: 130-140 Port Depth to Water (ft bgs): 0.0

Purge Information

Purge Pressure (PSI): 60 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	27		
Start Time:	0934	1000	1025		
Temperature (°C):	15.60	17.52	17.81		
pH (Standard Units):	7.62	7.71	7.79		
Conductivity (mS/cm):	0.614	0.655	0.695		
Dissolved Oxygen (mg/L):	1.56	1.71	1.36		
ORP (mV):	-164	-181	15		
Turbidity (NTU):	36.1	20.1	0.5		
Stop Time:	0936	1004	1029		
Total Purge Time:	4	4	4		
Volume Purged (L):	4	3	3		
Odor Observation:	N	N	N		
Visual Observation:	N	N	N		

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 0.25
Start Time: 1051 End Time: 1054
Sample ID: LTM03-ERT7-5-S19 QA/QC Sample Collected: DUPLICATE (MS/MSD)

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	(Metals (500 mL HDPE))	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:

MS/MSD FOR METALS & PCB-A

NONE 'DUST COVER' / QUICK-CONNECT CAP

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT8 | Port Number: 1

Background Information

Date: 6-11-19 | Time: 0800
Weather/Temp: overcast ; 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): 0.61
Port Interval: 17-27 | Port Depth to Water (ft bgs): DOES NOT FIT PORT

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25		
Start Time:	0821	0852	0923		
Temperature (°C):	16.17	16.05	16.01		
pH (Standard Units):	6.60	6.81	7.21		
Conductivity (mS/cm):	0.210	0.471	0.686		
Dissolved Oxygen (mg/L):	1.68	1.61	2.94		
ORP (mV):	60	70	104		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0826	0857	0927		
Total Purge Time:	6	5	4		
Volume Purged (L):	4	4	4		
Odor Observation:	NONE	NONE	NONE		
Visual Observation:	slight brown color	slight brown color	NONE		

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: Horiba / U22XD / SRGNW256

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 2.5
Start Time: 0953 | End Time: 1005
Sample ID: LTM03-ERT8-1-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT8 | Port Number: 8 ~~4~~ 2

Background Information

Date: 6-11-19 | Time: 0800
Weather/Temp: overcast, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): 0.61
Port Interval: 31 - 41 | Port Depth to Water (ft bgs): 19.14

Purge Information

Purge Pressure (PSI): 31 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		26	26		
Start Time:	0821	0852	0923		
Temperature (°C):	15.74	15.59	15.33		
pH (Standard Units):	6.29	6.79	7.06		
Conductivity (mS/cm):	0.800	0.973	0.958		
Dissolved Oxygen (mg/L):	1.48	3.02	1.90		
ORP (mV):	82	80	95		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0857	0927		
Total Purge Time:	6	5	4		
Volume Purged (L):	4	4.2	4.2		
Odor Observation:	None	None	None		
Visual Observation:	slight brown color	None	None		

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 27 | Volume Discarded (L): 2.5
Start Time: 0953 | End Time: 1005
Sample ID: LTM03-ERT8-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT 8 | Port Number: ~~4~~ 3

Background Information

Date: 6-11-19 | Time: 0800
Weather/Temp: overcast, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: ~~08~~ 2008 | Well Depth to Water (ft bgs): 0.61
Port Interval: ~~9~~ 14-5 | Port Depth to Water (ft bgs): 9.13

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		26	26		
Start Time:	0821	0858	0923		
Temperature (°C):	15.75	15.68	15.48		
pH (Standard Units):	6.22	6.89	7.03		
Conductivity (mS/cm):	0.775	0.805	0.835		
Dissolved Oxygen (mg/L):	1.65	3.50	3.70		
ORP (mV):	91	79	88		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0857	0927		
Total Purge Time:	6	5	4		
Volume Purged (L):	4	4	4		
Odor Observation:	NONE	NONE	NONE		
Visual Observation:	NONE	NONE	NONE		

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: Horiba / U22XD / SR6NW286

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 2.5
Start Time: 0953 | End Time: 1005
Sample ID: UM03-ERT8-3-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT8 | Port Number: 4

Background Information

Date: 6-11-19 | Time: 0800
Weather/Temp: overcast
Field Technician: JM, GR

Port Information

Well Installation Date: 2008 (S) | Well Depth to Water (ft bgs): .61
Port Interval: ~~87 97~~ | Port Depth to Water (ft bgs): 19.17

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:					
Start Time:	0821				
Temperature (°C):					
pH (Standard Units):					
Conductivity (mS/cm):					
Dissolved Oxygen (mg/L):					
ORP (mV):					
Turbidity (NTU):					
Stop Time:	0822				
Total Purge Time:	1				
Volume Purged (L):					
Odor Observation:	inadequate purge volume	" "	" "		
Visual Observation:					

Average Recovery Rate (L/MIN): —
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): —
Start Time: ~~0822~~ — | End Time: —
Sample ID: — | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: Well did not purge any water. Did not sample

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT8 | Port Number: 5

Background Information

Date: 6-11-19 | Time: 0800
Weather/Temp: OVERCAST, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 2008 (TW) | Well Depth to Water (ft bgs): 0.61
Port Interval: ~~87-97~~ 87-97 | Port Depth to Water (ft bgs): DOES NOT FIT PORT

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		26	26		
Start Time:	0821	0852	0923		
Temperature (°C):	15.61	15.82	15.35		
pH (Standard Units):	6.03	7.04	7.23		
Conductivity (mS/cm):	0.405	0.415	0.492		
Dissolved Oxygen (mg/L):	1.50	4.03	4.30		
ORP (mV):	103	70	74		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0857	0927		
Total Purge Time:	6	5	4		
Volume Purged (L):	4	4	4		
Odor Observation:	NONE	NONE	NONE		
Visual Observation:	NONE	NONE	NONE		

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: Horiba / U22XD / SRONW2Y6

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 2.5
Start Time: 0953 | End Time: 1005
Sample ID: UTM03-ERT8-5-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL ~~vial~~)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT 8	Port Number: #6

Background Information

Date: 6-11-19 Time: 0800
Weather/Temp: Overcast, 70s
Field Technician: JM, GR

Port Information

Well Installation Date: 2008 (SM) Well Depth to Water (ft bgs): 0.61
Port Interval: 135-145 / 107-112 Port Depth to Water (ft bgs): 19.13

Purge Information

Purge Pressure (PSI): 71 Purge Volume (L):
Suggested Number of Purges: 3 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		26	26		
Start Time:	0821	0850	0923		
Temperature (°C):	15.88	16.07	15.64		
pH (Standard Units):	5.79	6.92	7.24		
Conductivity (mS/cm):	0.320	0.413	0.423		
Dissolved Oxygen (mg/L):	1.15	1.25	2.24		
ORP (mV):	121	82	65		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0858	0928		
Total Purge Time:	6	6	5		
Volume Purged (L):	4.5	4.5	4.25		
Odor Observation:	None	None	None		
Visual Observation:	slightly brown color, some particulates	None	None		

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: Horiba / 21227 / SRGNW2Y6

Sample Collection Information

Sample Pressure (psi): 52 Volume Discarded (L): 2.5
Start Time: 0953 End Time: 1005
Sample ID: UTM03-ERT8-6-619 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ERT 8 | Port Number: 7

Background Information

Date: 6-11-19 | Time: 0800
Weather/Temp: overcast, 70's
Field Technician: JM, CR

Port Information

Well Installation Date: 2008 | Well Depth to Water (ft bgs): .61
Port Interval: 135-145 | Port Depth to Water (ft bgs): 19.23

Purge Information

Purge Pressure (PSI): 71 | Purge Volume (L):
Suggested Number of Purges: 3 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		26	26		
Start Time:	0821	0858	0922		
Temperature (°C):	17.11	16.45	15.90		
pH (Standard Units):	4.76	6.75	7.22		
Conductivity (mS/cm):	0.219	0.413	0.526		
Dissolved Oxygen (mg/L):	1.30	4.82	3.00		
ORP (mV):	221	108	65		
Turbidity (NTU):	0.0	0.0	0.0		
Stop Time:	0827	0858	0928		
Total Purge Time:	6	6	5		
Volume Purged (L):	4	4.25	4.5		
Odor Observation:	None	None	None		
Visual Observation:	slightly brown color some particulate	clear w/ some particulate	None		

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: Horiba / 21227 / SRGNW2Y6

Sample Collection Information

Sample Pressure (psi): 52 | Volume Discarded (L): 2.5
Start Time: 0953 | End Time: 1005
Sample ID: USM03-ERT8-7-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes.

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-13 | Port Number: 1

Background Information

Date: 06/05/19 | Time: 1330
Weather/Temp: Hazy, W 5mph, 75F
Field Technician: SGS, J Massa

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 0.10
Port Interval: 18-28 | Port Depth to Water (ft bgs): 3.62

Purge Information

Purge Pressure (PSI): 52 | Purge Volume (L):
Suggested Number of Purges: | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1337	1406	1436	1459	
Temperature (°C):	23.36	20.58	21.08	19.15	
pH (Standard Units):	6.05	7.74	8.60	8.54	
Conductivity (mS/cm):	0.184	0.438	0.545	0.565	
Dissolved Oxygen (mg/L):	1.59	1.00	0.68	0.33	
ORP (mV):	130	-37	-42	-44	
Turbidity (NTU):	0.0	1.5	1.8	1.7	
Stop Time:	1346	1416	1439	1502	
Total Purge Time:	7	6	3	3	
Volume Purged (L):	3	3	3	2.5	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 6.25
Start Time: 1522 | End Time: 1528
Sample ID: LTM03-MW13-1-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: Swapped Air tanks @ 1408

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-13 | Port Number: 2

Background Information

Date: 06/05/19 | Time: 1330
Weather/Temp: HAZY, W 5-15 75F
Field Technician: SGS, J MARRA

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 0.10
Port Interval: 35-45 | Port Depth to Water (ft bgs): 4.39

Purge Information

Purge Pressure (PSI): 52 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	20	20	20	
Start Time:	1339	1406	1436	1457	
Temperature (°C):	20.99	18.62	18.41	18.50	
pH (Standard Units):	7.53	8.84	8.43	8.39	
Conductivity (mS/cm):	0.774	0.717	0.716	0.720	
Dissolved Oxygen (mg/L):	3.40	0.74	2.15	0.95	
ORP (mV):	142	-50	-45	-47	
Turbidity (NTU):	0.2	0.8	0.1	0.0	
Stop Time:	1346	1416	1439	1502	
Total Purge Time:	7	6	3	3	
Volume Purged (L):	3	3.5	3	2.5	
Odor Observation:	N	N	N	N	
Visual Observation:	N	N	N	N	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 1522 | End Time: 1528
Sample ID: LTM00-MW13-2-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: SWAPPED AIR TANKS @ 1408

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-13 | Port Number: 3

Background Information

Date: 06/05/19 | Time: 1330
Weather/Temp: Hot, W 5mph, 75F
Field Technician: SGS, J MARRA

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 0.1
Port Interval: 63-73 | Port Depth to Water (ft bgs): 1.36

Purge Information

Purge Pressure (PSI): 52 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	20	20	20	
Start Time:	1339	1406	1436	1459	
Temperature (°C):	20.18	18.34	18.14	18.22	
pH (Standard Units):	7.40	7.93	8.20	8.23	
Conductivity (mS/cm):	0.124	0.429	0.493	0.511	
Dissolved Oxygen (mg/L):	1.37	0.76	0.74	0.80	
ORP (mV):	129	-52	-23	-26	
Turbidity (NTU):	1.0	0.0	0.0	0.0	
Stop Time:	1346	1416	1439	1502	
Total Purge Time:	7	6	3	3	
Volume Purged (L):	3	3.5	3	2.5	
Odor Observation:	None	N	N	N	
Visual Observation:	None	N	N	N	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 1522 | End Time: 1521
Sample ID: LTM03-MW13-3-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	(Metals (500 mL HDPE))	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: SWAPPED AIR TANKS @ 1408

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW13 | Port Number: 4

Background Information

Date: 06/05/19 | Time: 1330
Weather/Temp: Hazy, W 5 mph 75 F
Field Technician: SGS, JMAHM

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 0.1
Port Interval: 95-105 | Port Depth to Water (ft bgs): 1.67

Purge Information

Purge Pressure (PSI): 52 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	20	20	20	
Start Time:	1339	1404	1436	1457	
Temperature (°C):	19.96	20.49	18.69	18.29	
pH (Standard Units):	7.15	7.26	7.68	7.72	
Conductivity (mS/cm):	0.144	0.449	0.471	0.469	
Dissolved Oxygen (mg/L):	1.71	0.93	0.93	0.94	
ORP (mV):	134	↑	-16	-15	
Turbidity (NTU):	7.7	0.0	0.0	0.0	
Stop Time:	1346	1416	1439	1502	
Total Purge Time:	7	6	3	3	
Volume Purged (L):	3	3.5	3	2.5	
Odor Observation:	N	N	N	N	
Visual Observation:	N	N	N	N	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba/U52/21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 1522 | End Time: 1528
Sample ID: LTM03-MW13-4-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:
SWAPPED AIR TANKS @ 1408

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 13 | Port Number: 5

Background Information

Date: 06/05/19 Time: 1330
Weather/Temp: Hazy, W 5 mph, 70°F
Field Technician: SGS, J Malaa

Port Information

Well Installation Date: N/A Well Depth to Water (ft bgs): 0.1
Port Interval: 115-125 Port Depth to Water (ft bgs): 0.0

Purge Information

Purge Pressure (PSI): 52 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1339	1406	1436	1459	
Temperature (°C):	20.26	21.05	17.73	17.62	
pH (Standard Units):	6.98	7.28	7.62	7.70	
Conductivity (mS/cm):	0.107	0.376	0.432	0.433	
Dissolved Oxygen (mg/L):	2.13	1.85	0.73	0.73	
ORP (mV):	127	3	-11	-7	
Turbidity (NTU):	2.2	0.0	0.0	0.0	
Stop Time:	1346	1416	1439	1502	
Total Purge Time:	7	6	3	3	
Volume Purged (L):	3.5	3.5	2.5	2.5	
Odor Observation:	None	N	N	N	
Visual Observation:	None	N	N	N	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / 452 / 21227

Sample Collection Information

Sample Pressure (psi): 36 Volume Discarded (L): 0.25
Start Time: 1522 End Time: 1528
Sample ID: LTM03 - MW13-5 - S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: SWAPPED AIR TANKS @ 1408

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 13 | Port Number: 6

Background Information

Date: 8/6/19 | Time: 1330
Weather/Temp: Hazy W 5 mph 75F
Field Technician: SGS JM

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 0.1
Port Interval: 150-168 | Port Depth to Water (ft bgs): DD/

Purge Information

Purge Pressure (PSI): 52 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1339	1406	1436	1459	
Temperature (°C):	20.23	20.66	18.54	18.21	
pH (Standard Units):	6.91	7.21	7.55	7.61	
Conductivity (mS/cm):	0.079	0.367	0.446	0.475	
Dissolved Oxygen (mg/L):	2.01	1.89	1.34	1.21	
ORP (mV):	125	7	-12	-6	
Turbidity (NTU):	2.4	0.0	0.0	0.0	
Stop Time:	1346	1416	1439	1502	
Total Purge Time:	6	6	3	3	
Volume Purged (L):	3	3.5	2.5	2.5	
Odor Observation:	None	N	N	N	
Visual Observation:	None	N	N	N	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: HORIBA / 452 / 21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 1522 | End Time: 1528
Sample ID: LTMB3-MW 13-6-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: SWAPPED MK TANKS @ 1408

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 13 | Port Number: 7

Background Information

Date: 06/05/19 Time: 1330
Weather/Temp: Hazy, W 5mph, 75F
Field Technician: SGS / J Marra

Port Information

Well Installation Date: N/A Well Depth to Water (ft bgs): 0.1
Port Interval: 230-240 Port Depth to Water (ft bgs): 0.01

Purge Information

Purge Pressure (PSI): 52 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1339	1406	1436	1459	
Temperature (°C):	20.82	19.77	19.40	19.16	
pH (Standard Units):	6.87	7.14	7.31	7.57	
Conductivity (mS/cm):	0.175	0.600	0.648	0.643	
Dissolved Oxygen (mg/L):	1.79	1.47	0.60	0.84	
ORP (mV):	119	8	-4	14	
Turbidity (NTU):	2.3	0.0	0.0	0.0	
Stop Time:	1346	1416	1439	1502	
Total Purge Time:	7	6	3	3	
Volume Purged (L):	3	3.5	2.5	2.5	
Odor Observation:	None	N	N	N	
Visual Observation:	None	N	N	N	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 36 Volume Discarded (L): 0.25
Start Time: 1522 End Time: 1528
Sample ID: LTM03-MW13-7-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: Swapped AIR TANKS @ 1408

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW14S | Port Number: 1

Background Information

Date: 6-12-19 | Time: 0800
Weather/Temp: Sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: ____ | Well Depth to Water (ft bgs): 0.62
Port Interval: 30 / 35 | Port Depth to Water (ft bgs): ____

Purge Information

Purge Pressure (PSI): 34 | Purge Volume (L): ____
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume: ____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:					
Start Time:	0816	0844			
Temperature (°C):	18.45				
pH (Standard Units):	4.94				
Conductivity (mS/cm):	0.895				
Dissolved Oxygen (mg/L):	1.93				
ORP (mV):	205				
Turbidity (NTU):	0.0				
Stop Time:	0818	0849			
Total Purge Time:	2				
Volume Purged (L):	.5				
Odor Observation:	Oil	Oil			
Visual Observation:	slight oily sheen	oily sheen			

Average Recovery Rate (L/MIN): ____
Water Quality Meter Make/Model/Serial#: Horiba / U-22XD / SRGWM2T6

Sample Collection Information

Sample Pressure (psi): 20 | Volume Discarded (L): ____
Start Time: ____ | End Time: ____
Sample ID: ____ | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)
SVOCs 1 L amber)
Metals (500 mL HDPE)
Pesticides (1 L amber)
PCD Arochlor (1 L amber)
PCB Congeners (1 L amber)
Dioxins/Furans (1 L amber)

Notes: NAPL present on second purge. Stopped purging port1

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW145 | Port Number: 2

Background Information

Date: 6-12-19 | Time: 0800
Weather/Temp: sunny, 70's
Field Technician: JM GR

Port Information

Well Installation Date: | Well Depth to Water (ft bgs): 0.02
Port Interval: 41 | 46 | Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 34 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	24	25	
Start Time:	0816	0843	0909	0935	
Temperature (°C):	18.10	19.23	18.23	19.19	
pH (Standard Units):	5.86	7.34	7.46	7.64	
Conductivity (mS/cm):	0.120	0.627	0.717	0.701	
Dissolved Oxygen (mg/L):	9.66	0.64	2.05	4.78	
ORP (mV):	141	5	43	50	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0818	0844	0910	0936	
Total Purge Time:	2	1	1	1	
Volume Purged (L):	1	1	1	1	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.04
Water Quality Meter Make/Model/Serial#: Horiba | U22XD | SRGNW2K6

Sample Collection Information

Sample Pressure (psi): 20 | Volume Discarded (L): .5
Start Time: 1001 | End Time: 1230
Sample ID: LTM03-MW145-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial)) SVOCs 1 L amber)
(Metals (500 mL HDPE)) (Pesticides (1 L amber)) (PCD Arochlor (1 L amber))
(PCB Congeners (1 L amber)) (Dioxins/Furans (1 L amber))

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW14S | Port Number: 3

Background Information

Date: 6-12-19 | Time: 0800
Weather/Temp: Sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: | Well Depth to Water (ft bgs): 0.15
Port Interval: 55/60 | Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 34 | Purge Volume (L):
Suggested Number of Purges: | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	24	25	
Start Time:	0816	0843	0909	0935	
Temperature (°C):	18.44	18.40	17.80	18.42	
pH (Standard Units):	5.99	7.03	7.35	7.38	
Conductivity (mS/cm):	0.066	0.659	0.726	0.722	
Dissolved Oxygen (mg/L):	4.20	3.25	1.14	2.32	
ORP (mV):	148	-32	24	42	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0818	0844	0910	0936	
Total Purge Time:	2	1	1	1	
Volume Purged (L):	1	1	1	1	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.04
Water Quality Meter Make/Model/Serial#: Horiba | U-22XD | SRGNW2Y6

Sample Collection Information

Sample Pressure (psi): 20 | Volume Discarded (L): .5
Start Time: 1001 | End Time: 1230
Sample ID: LTM02-MW14S-3-3149 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)
SVOCs 1 L amber)
Metals (500 mL HDPE)
Pesticides (1 L amber)
PCD Arochlor (1 L amber)
PCB Congeners (1 L amber)
Dioxins/Furans (1 L amber)

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW14S | Port Number: 4

Background Information

Date: 6-12-19 | Time: 0800
Weather/Temp: sunny, 70's
Field Technician: JM, BR

Port Information

Well Installation Date: | Well Depth to Water (ft bgs): 0.02
Port Interval: 65 | 70 | Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 34 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—				
Start Time:	0816	0843			
Temperature (°C):	17.89				
pH (Standard Units):	5.60				
Conductivity (mS/cm):	2.26				
Dissolved Oxygen (mg/L):	5.50				
ORP (mV):	-33				
Turbidity (NTU):	0.0				
Stop Time:	0819	0849			
Total Purge Time:	3				
Volume Purged (L):	1				
Odor Observation:	Oil	Oil			
Visual Observation:	slight oily sheen	oily sheen			

Average Recovery Rate (L/MIN): —
Water Quality Meter Make/Model/Serial#: Horiba / U-22XD / SRGWM3X0

Sample Collection Information

Sample Pressure (psi): 20 | Volume Discarded (L): —
Start Time: — | End Time: —
Sample ID: — | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial) | Metals (500 mL HDPE) | PCB Congeners (1 L amber)
SVOCs 1 L amber) | Pesticides (1 L amber) | Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes: NAPL present on second purge. Stopped purging on party

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW14D | Port Number: 1

Background Information

Date: 6-12-19 Time: 0800
Weather/Temp: Sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: Well Depth to Water (ft bgs): 0.75
Port Interval: 80/85 Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 58 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		26	20	20	
Start Time:	0824	0853	0914	0939	
Temperature (°C):	17.01	17.19	17.69	18.28	
pH (Standard Units):	6.73	7.05	7.39	7.16	
Conductivity (mS/cm):	0.676	0.664	0.715	0.719	
Dissolved Oxygen (mg/L):	2.45	2.69	1.83	1.60	
ORP (mV):	-81	-74	-54	-49	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0827	0856	0919	0942	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	4	4	4	4	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.20
Water Quality Meter Make/Model/Serial#: Horiba / 21224 / SR6NW276

Sample Collection Information

Sample Pressure (psi): 42 Volume Discarded (L): 1
Start Time: ~~[illegible]~~ 1605 End Time: 1245
Sample ID: LTM03-MW14D-1-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial) Metals (500 mL HDPE) PCB Congeners (1 L amber)
SVOCs 1 L amber) Pesticides (1 L amber) Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes: Had to let recharge several times

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 14D | Port Number: 2

Background Information

Date: 6-12-19 Time: 0800
Weather/Temp: sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: Well Depth to Water (ft bgs): 0.75
Port Interval: 123/133 Port Depth to Water (ft bgs):

Purge Information

Purge Pressure (PSI): 58 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	26	20	20	
Start Time:	0824	0853	0916	0934	
Temperature (°C):	16.71	16.35	18.29	16.91	
pH (Standard Units):	6.78	7.11	7.34	7.24	
Conductivity (mS/cm):	0.525	0.508	0.498	0.523	
Dissolved Oxygen (mg/L):	1.60	1.42	1.51	1.44	
ORP (mV):	-81	-78	-60	-54	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0827	0856	0919	0942	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	4	4	4	4	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.20
Water Quality Meter Make/Model/Serial#: Horiba / 21227 / SR6NW2Y6

Sample Collection Information

Sample Pressure (psi): 42 Volume Discarded (L): 1
Start Time: 1005 End Time: 1245
Sample ID: LTM03-MW14D-2-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial) Metals (500 mL HDPE) PCB Congeners (1 L amber)
SVOCs 1 L amber) Pesticides (1 L amber) Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes: Had to let recharge several times

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW14D | Port Number: 3

Background Information

Date: 6-12-19 | Time: 0800
Weather/Temp: sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: _____ | Well Depth to Water (ft bgs): _____
Port Interval: _____ | Port Depth to Water (ft bgs): _____

Purge Information

Purge Pressure (PSI): 58 | Purge Volume (L): _____
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	~	20	20	20	
Start Time:	0824	0853	0910	0939	
Temperature (°C):	16.60	15.98	17.40	17.37	
pH (Standard Units):	6.81	7.10	7.31	7.24	
Conductivity (mS/cm):	0.496	0.506	0.492	0.491	
Dissolved Oxygen (mg/L):	1.99	1.19	1.20	1.03	
ORP (mV):	-78	-75	-51	-45	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0827	0856	0913	0942	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	4.25	4.25	4.25	4.25	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.20
Water Quality Meter Make/Model/Serial#: Horiba / U22 / SR6NW2T6

Sample Collection Information

Sample Pressure (psi): 42 | Volume Discarded (L): 1
Start Time: 1005 | End Time: 1245
Sample ID: UTM03-MW14D-1-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	(PCB Congeners (1 L amber))
SVOCs 1 L amber)	(Pesticides (1 L amber))	(Dioxins/Furans (1 L amber))
	(PCD Arochlor (1 L amber))	

Notes: Had to let recharge several times

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW155	Port Number: 1

Background Information

Date: 6-10-19 Time: 1500
Weather/Temp: Rainy, 70's
Field Technician: JM

Port Information

Well Installation Date: 10/09 Well Depth to Water (ft bgs): 1.11
Port Interval: 30-40 Port Depth to Water (ft bgs): 14.71

Purge Information

Purge Pressure (PSI): 47 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	23	23	
Start Time:	~~0304~~ 1505	1532	1557	1622	
Temperature (°C):	18.57	18.99	18.24	18.73	
pH (Standard Units):	7.08	7.08	7.21	7.04	
Conductivity (mS/cm):	~~0.000~~ 0.972	1.10	1.03	1.02	
Dissolved Oxygen (mg/L):	1.07	1.01	0.8	0.49	
ORP (mV):	110	100	83	86	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0307	1534	1559	1624	
Total Purge Time:	2	2	2	2	
Volume Purged (L):	2.5	2.5	2.5	2.5	
Odor Observation:	NON	NON	NON	NON	
Visual Observation:	NONE	NONE	NONE	NONE	

Average Recovery Rate (L/MIN): 0.11
Water Quality Meter Make/Model/Serial#: Hanna / 21227 / SRGWN276 452

Sample Collection Information

Sample Pressure (psi): 33 Volume Discarded (L): 1
Start Time: 1645 End Time: 1740
Sample ID: LTM03-MW155-1-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	(Pesticides (1 L amber))	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:

Needed to let well recharge During Sampling

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site

Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW15S | Port Number: 2

Background Information

Date: 6-10-19 | Time: 1500

Weather/Temp: Rainy, 70's

Field Technician: JM

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 1.11

Port Interval: 70-80 | Port Depth to Water (ft bgs): 15.17

Purge Information

Purge Pressure (PSI): 47 | Purge Volume (L):

Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	23	23	
Start Time:	0308 1505	1532	1557	1622	
Temperature (°C):	18.63	18.52	17.94	17.90	
pH (Standard Units):	7.07	7.18	7.27	7.27	
Conductivity (mS/cm):	0.540	0.717	0.624	0.562	
Dissolved Oxygen (mg/L):	1.38	1.16	0.84	1.20	
ORP (mV):	99	57	55	70	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0309 1507	1534	1559	1624	
Total Purge Time:	2	2	2	2	
Volume Purged (L):	2.5	2.5	2.5	2.5	
Odor Observation:	NON	NON	NON	NON	
Visual Observation:	NON	NON	NON	NON	

Average Recovery Rate (L/MIN): 0.11

Water Quality Meter Make/Model/Serial#: Horiba / U-22XD / ~~GROUNDFG~~ U52

Sample Collection Information

Sample Pressure (psi): 33 | Volume Discarded (L): 1

Start Time: 1645 | End Time: 1740

Sample ID: LTM03-MW15S-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	(Pesticides (1 L amber))	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes: Needed let well recharge DURING SAMPLING

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-15D | Port Number: 1

Background Information

Date: 6-10-19 Time: 1500
Weather/Temp: Sunny, 70's
Field Technician: JM

Port Information

Well Installation Date: 10/09 Well Depth to Water (ft bgs): 2.25
Port Interval: 125-135 Port Depth to Water (ft bgs): 14.93

Purge Information

Purge Pressure (PSI): 59 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		21	20	20	
Start Time:	0305	1532	1557	1622	
Temperature (°C):	19.89	18.38	17.59	17.88	
pH (Standard Units):	7.20	7.29	7.30	7.34	
Conductivity (mS/cm):	0.125	0.495	0.489	0.480	
Dissolved Oxygen (mg/L):	1.21	1.29	1.44	1.31	
ORP (mV):	-48	26	46	62	
Turbidity (NTU):	0.0 1511	0.0	0.0	0.0	
Stop Time:	[illegible]	1539	1602	1627	
Total Purge Time:	6	5	5	5	
Volume Purged (L):	4	4	4	4	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.2
Water Quality Meter Make/Model/Serial#: Horiba / U22 / [illegible] 452

Sample Collection Information

Sample Pressure (psi): 44 Volume Discarded (L): 1
Start Time: 1645 End Time: 1730
Sample ID: LTM03-MW15D-1-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW15D | Port Number: 2

Background Information

Date: 6-10-19 | Time: @ 1500
Weather/Temp: Rainy, 70's
Field Technician: JM

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 2.25
Port Interval: 185-195 | Port Depth to Water (ft bgs): 19.92

Purge Information

Purge Pressure (PSI): 59 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time		21	20	20	
Start Time:	1505	1532	1557	1622	
Temperature (°C):	19.59	18.31	17.73	17.95	
pH (Standard Units):	7.25	7.29	7.30	7.32	
Conductivity (mS/cm):	0.263	0.487	0.487	0.485	
Dissolved Oxygen (mg/L):	0.64	1.63	1.61	1.17	
ORP (mV):	-44	22	47	58	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1521	1527	1602	1627	
Total Purge Time:	10	5	5	5	
Volume Purged (L):	3.5	3.5	3.5	3.5	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.2
Water Quality Meter Make/Model/Serial#: Horiba / U-22XD / [redacted] U52

Sample Collection Information

Sample Pressure (psi): 44 | Volume Discarded (L): 1
Start Time: 1645 | End Time: 1730
Sample ID: LFM03-MW15D-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW16 | Port Number: 1

Background Information

Date: 6-11-19 | Time: 1220
Weather/Temp: Sunny, 70's
Field Technician: JM, BR

Port Information

Well Installation Date: 9-10/09 | Well Depth to Water (ft bgs): 2.15
Port Interval: 20-70 | Port Depth to Water (ft bgs): 7.60

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25	25	
Start Time:	1235	1303	1334	1403	
Temperature (°C):	19.04	19.70	18.80	19.41	
pH (Standard Units):	7.43	7.68	7.45	7.72	
Conductivity (mS/cm):	0.6056	0.7414	0.7226	0.710	
Dissolved Oxygen (mg/L):	1.99	2.07	1.26	0.59	
ORP (mV):	129	69	77	73	
Turbidity (NTU):	0.0	46.3	53.9	122	
Stop Time:	1238	1306	1338	1406	
Total Purge Time:	3	3	4	3	
Volume Purged (L):	3	3	3.75	3.5	
Odor Observation:	None	N/A	None	None	
Visual Observation:	None	orange	orange and cloudy	orange and cloudy	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba U52 21227

Sample Collection Information

Sample Pressure (psi): 38 | Volume Discarded (L): 0.25
Start Time: 1431 | End Time: 1531
Sample ID: CDM03-MW16-1-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	~~Pesticides (1 L amber)~~	Dioxins/Furans (1 L amber)
	~~PCB~~ Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW16 | Port Number: 2

Background Information

Date: 6-11-19 | Time: 1220
Weather/Temp: Sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 9-10/09 | Well Depth to Water (ft bgs): 2.15
Port Interval: 40-50 | Port Depth to Water (ft bgs): 7.88

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25			
Start Time:	1235	1303	1334	1403	
Temperature (°C):	19.09	19.96	18.98	18.84	
pH (Standard Units):	7.90	7.57	7.40	7.49	
Conductivity (mS/cm):	0.631	0.750	0.698	0.682	
Dissolved Oxygen (mg/L):	2.55	2.30	8.89	3.85	
ORP (mV):	138	10	64	68	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1238	1306	1338	1406	
Total Purge Time:	3	3	4	3	
Volume Purged (L):	3.2	3	3.75	3	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba U52 21227

Sample Collection Information

Sample Pressure (psi): 38 | Volume Discarded (L): 0.25
Start Time: 1431 | End Time: 1531
Sample ID: LTM03-MW16-2-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	~~Pesticides (1 L amber)~~	Dioxins/Furans (1 L amber)
	~~PCD Arochlor (1 L amber)~~	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-16 | Port Number: 3

Background Information

Date: 6-11-19 | Time: 1220
Weather/Temp: sunny, 70's
Field Technician: JM, BR

Port Information

Well Installation Date: 9-18/89 | Well Depth to Water (ft bgs): 2.15
Port Interval: 85-95 | Port Depth to Water (ft bgs): 7.72

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25	25	
Start Time:	1235	1303	1334	1403	
Temperature (°C):	19.33	20.05	19.29	19.72	
pH (Standard Units):	7.41	7.51	7.41	7.43	
Conductivity (mS/cm):	0.537	0.544	0.551	0.540	
Dissolved Oxygen (mg/L):	1.87	9.27	8.08	1.47	
ORP (mV):	129	15	54	52	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1238	1306	1338	1406	
Total Purge Time:	3	3	4	3	
Volume Purged (L):	3.5	3	3.75	4	
Odor Observation:	NONO	None	NONO	NONO	
Visual Observation:	NONO	None	NONO	NONO	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba U52 21227

Sample Collection Information

Sample Pressure (psi): 38 | Volume Discarded (L): 0.25
Start Time: 1431 | End Time: 1531
Sample ID: LTM03-MW16-3-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	(Pesticides (1 L amber))	Dioxins/Furans (1 L amber)
	(PCB Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW16 | Port Number: 4

Background Information

Date: 6-11-19 | Time: 1220
Weather/Temp: sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 9-10/09 | Well Depth to Water (ft bgs): 2.15
Port Interval: 108-118 | Port Depth to Water (ft bgs): 7.69

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25	25	
Start Time:	1235	1303	1334	1403	
Temperature (°C):	19.53	20.38	19.69	21.40	
pH (Standard Units):	7.36	7.37	7.37	7.34	
Conductivity (mS/cm):	0.546	0.532	0.538	0.534	
Dissolved Oxygen (mg/L):	2.17	7.38	0.97	4.34	
ORP (mV):	125	29	40	35	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1238	1306	1338	1404	
Total Purge Time:	3	3	4	3	
Volume Purged (L):	3.25	3	3.5	3	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: HORIBA U52 21227

Sample Collection Information

Sample Pressure (psi): 30 | Volume Discarded (L): 8.25
Start Time: 1431 | End Time: 1531
Sample ID: LTM03-MW16-4-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~	~~Metals (500 mL HDPE)~~	PCB Congeners (1 L amber)
SVOCs 1 L amber)	~~Pesticides (1 L amber)~~	Dioxins/Furans (1 L amber)
	~~PCB Arochlor (1 L amber)~~	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW16 | Port Number: 5

Background Information

Date: 6-11-19 | Time: 1220
Weather/Temp: sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 9-10/09 | Well Depth to Water (ft bgs): 2.15
Port Interval: 135 - 145 | Port Depth to Water (ft bgs): 7.65

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		29	25	25	
Start Time:	1235	1903	1324	1903	
Temperature (°C):	19.67	20.59	20.28	21.48	
pH (Standard Units):	7.35	7.33	7.26	7.35	
Conductivity (mS/cm):	0.515	0.509	0.517	0.512	
Dissolved Oxygen (mg/L):	5.70	1.48	1.50	1.45	
ORP (mV):	119	29	40	28	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1239	1906	1328	1406	
Total Purge Time:	3	8	4	3	
Volume Purged (L):	3.75	3.25	3.75	3.75	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba U52 21227

Sample Collection Information

Sample Pressure (psi): 38 | Volume Discarded (L): 0.25
Start Time: 1431 | End Time: 1531
Sample ID: LTM03-MW16-5-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW16 | Port Number: 6

Background Information

Date: 6-11-19 | Time: 1220
Weather/Temp: cloudy, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 9-10/09 | Well Depth to Water (ft bgs): 2.15
Port Interval: 170-180' | Port Depth to Water (ft bgs): 9.34

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25	25	
Start Time:	1235	1303	1334	1403	
Temperature (°C):	19.82	20.95	20.42	21.55	
pH (Standard Units):	7.33	7.34	7.26	7.38	
Conductivity (mS/cm):	0.486	0.490	0.502	0.503	
Dissolved Oxygen (mg/L):	1.50	2.05	1.19	1.71	
ORP (mV):	109	27	36	28	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1238	1306	1338	1406	
Total Purge Time:	3	3	4	3	
Volume Purged (L):	3	3.5	3	3	
Odor Observation:	NONE	None	NONE	NONE	
Visual Observation:	NONE	None	NONE	NONE	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: YSI PRO PLUS 21227

Sample Collection Information

Sample Pressure (psi): 30 | Volume Discarded (L): 0.25
Start Time: 1431 | End Time: 1531
Sample ID: LTM03-MW16-6-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~ | ~~Metals (500 mL HDPE)~~ | PCB Congeners (1 L amber)
SVOCs 1 L amber) | ~~Pesticides (1 L amber)~~ | Dioxins/Furans (1 L amber)
~~PCB Arochlor (1 L amber)~~

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW16 | Port Number: 7

Background Information

Date: 6-11-19 | Time: 1220
Weather/Temp: Sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 9-10/09 | Well Depth to Water (ft bgs): 2.15
Port Interval: 195-205 | Port Depth to Water (ft bgs): 1.38

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25	25	
Start Time:	1235	1303	1334	1403	
Temperature (°C):	20.70	21.02	20.64	21.93	
pH (Standard Units):	7.31	7.33	7.31	7.41	
Conductivity (mS/cm):	0.478	0.463	0.470	0.471	
Dissolved Oxygen (mg/L):	9.22	1.77	1.22	1.45	
ORP (mV):	99	32	30	25	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1238	1307	1338	1406	
Total Purge Time:	3	4	4	3	
Volume Purged (L):	3	3.5	3.5	3.5	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba U52 21227

Sample Collection Information

Sample Pressure (psi): 30 | Volume Discarded (L): 0.25
Start Time: 1931 | End Time: 1531
Sample ID: CTM07-MW16-7-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~ | ~~Metals (500 mL HDPE)~~ | ~~PCB Congeners (1 L amber)~~
SVOCs 1 L amber) | ~~Pesticides (1 L amber)~~ | ~~Dioxins/Furans (1 L amber)~~
~~PCB Arochlor (1 L amber)~~

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW17 | Port Number: 1

Background Information

Date: 061219 | Time: 0750
Weather/Temp: CLEAR, BWS mph 70F
Field Technician: JMARRA, SGS

Port Information

Well Installation Date: _____ | Well Depth to Water (ft bgs): 0.27
Port Interval: _____ | Port Depth to Water (ft bgs): _____

Purge Information

Purge Pressure (PSI): 9.69 | Purge Volume (L): _____
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	21	21	21	
Start Time:	0815	0843	0912	0941	
Temperature (°C):	17.24	17.50	17.72	17.98	
pH (Standard Units):	7.55	7.75	8.17	7.86	
Conductivity (mS/cm):	0.389	0.371	0.378	0.377	
Dissolved Oxygen (mg/L):	1.28	0.0	0.00	0.00	
ORP (mV):	85	15	43	53	
Turbidity (NTU):	5.4	5.7	0.0	00	
Stop Time:	0822	0851	0920	0949	
Total Purge Time:	7	8	8	8	
Volume Purged (L):	3	3	3	3	
Odor Observation:	None	N	N	N	
Visual Observation:	None	N	N	N	

Average Recovery Rate (L/MIN): 0.14
Water Quality Meter Make/Model/Serial#: YSI ProPlus 21227

Sample Collection Information

Sample Pressure (psi): _____ | Volume Discarded (L): 0.25
Start Time: 1010 | End Time: 1015
Sample ID: LMBJ-MW17-1-SLG | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW - 17 | Port Number: 2

Background Information

Date: 061219 | Time: 0750
Weather/Temp: CLEAR, W 5mph 70F
Field Technician: JMARR, SGS

Port Information

Well Installation Date: _____ | Well Depth to Water (ft bgs): 0.27
Port Interval: _____ | Port Depth to Water (ft bgs): _____

Purge Information

Purge Pressure (PSI): 69 | Purge Volume (L): _____
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume: _____

Purge Number:	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	21	21	21	
Start Time:	0815	0843	0912	0941	
Temperature (°C):	17.24	17.26	18.59	18.65	
pH (Standard Units):	7.91	7.68	8.01	7.81	
Conductivity (mS/cm):	0.396	0.396	0.385	0.391	
Dissolved Oxygen (mg/L):	~~0.0~~ 0.0	0.00	0.00	0.00	
ORP (mV):	79	12	49	57	
Turbidity (NTU):	0.1	8.4	0.0	0.0	
Stop Time:	0822	0851	0920	0949	
Total Purge Time:	7	8	8	8	
Volume Purged (L):	3	3	3	3	
Odor Observation:	None	N	N	N	
Visual Observation:	None	N	N	N	

Average Recovery Rate (L/MIN): 0.14
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21057

Sample Collection Information

Sample Pressure (psi): _____ | Volume Discarded (L): 0.25
Start Time: 1000 | End Time: 1015
Sample ID: CDM03-MW17-2-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs~~ (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	~~Pesticides~~ (1 L amber)	Dioxins/Furans (1 L amber)
	~~PCD Arochlor~~ (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well:	MW-17	Port Number:	3

Background Information

Date: 061219 Time: 0750
Weather/Temp: CLEAR, W 5 mph, 70F
Field Technician: J MARRA, SGS

Port Information

Well Installation Date: _____ Well Depth to Water (ft bgs): 0.27
Port Interval: _____ Port Depth to Water (ft bgs): _____

Purge Information

Purge Pressure (PSI): 69 Purge Volume (L): _____
Suggested Number of Purges: 1 Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	21	21	21	
Start Time:		0843	0912	0941	
Temperature (°C):	17.27	17.22	16.81	17.99	
pH (Standard Units):	7.58	7.70	7.95	7.82	
Conductivity (mS/cm):	0.387	0.397	0.388	0.391	
Dissolved Oxygen (mg/L):	0.8	0.00	0.00	0.00	
ORP (mV):	78	16	52	58	
Turbidity (NTU):	5.4	7.5	0.0	0.0	
Stop Time:	0822	0851	0920	0949	
Total Purge Time:	7	8	8	8	
Volume Purged (L):	3	3	3	3	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.14
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21057

Sample Collection Information

Sample Pressure (psi): _____ Volume Discarded (L): 0.25
Start Time: 1010 End Time: 1015
Sample ID: LTM03-MW17-3-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~	~~Metals (500 mL HDPE)~~	PCB Congeners (1 L amber)
SVOCs 1 L amber)	~~Pesticides (1 L amber)~~	Dioxins/Furans (1 L amber)
	~~PCB Aroclor (1 L amber)~~	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-18 | Port Number: 1

Background Information

Date: 6-4-19 Time: 1100
Weather/Temp: Sunny 60's
Field Technician: J. Morrissey, G. Reedel

Port Information

Well Installation Date: Sept 2009 Well Depth to Water (ft bgs): 0.61
Port Interval: 160 / 170 Port Depth to Water (ft bgs): 5.98

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L): 4.06
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume: ~~16.24~~

Purge Number:	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		12	11	11	
Start Time:	1124	1140	1155	1209	
Temperature (°C):	14.63	14.82	15.46	16.38	
pH (Standard Units):	8.25	7.82	8.60	8.16	
Conductivity (mS/cm):	0.110	0.298	0.323	0.325	
Dissolved Oxygen (mg/L):	8.96	8.04	1.38	0.00	
ORP (mV):	74	195	163	164	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1128	1144	1158	1213	
Total Purge Time:	4	4	3	4	
Volume Purged (L):	4	4.1	4	3.8	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.36
Water Quality Meter Make/Model/Serial#: HORIBA U52 36855

Sample Collection Information

Sample Pressure (psi): 42 Volume Discarded (L): 0.25
Start Time: 1227 End Time: 1230
Sample ID: LTM23-MW18-1-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-18 | Port Number: 2

Background Information

Date: 6-4-19 | Time: 1100
Weather/Temp: Sunny, 60's
Field Technician: J. Morrissey, G. Reeder

Port Information

Well Installation Date: Sept 2009 | Well Depth to Water (ft bgs): 0.61
Port Interval: 210-220 | Port Depth to Water (ft bgs): 6.37

Purge Information

Purge Pressure (PSI): 57 | Purge Volume (L): 4.06
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume: 16 2

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		12	11	11	
Start Time:	1124	1140	1155	1209	
Temperature (°C):	14.66	14.70	15.00	15.94	
pH (Standard Units):	7.95	7.71	8.04	8.07	
Conductivity (mS/cm):	0.081	0.303	0.347	0.350	
Dissolved Oxygen (mg/L):	2.70	1.58	5.72	0.10	
ORP (mV):	104	188	163	170	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1128	1144	1158	1213	
Total Purge Time:	4	4	3	4	
Volume Purged (L):	4	3	3.75	3.2	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.34
Water Quality Meter Make/Model/Serial#: HORIBA U52 36835

Sample Collection Information

Sample Pressure (psi): 42 | Volume Discarded (L): 0.25
Start Time: 1227 | End Time: 1230
Sample ID: LTM03-MW18-2-0519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	(Metals (500 mL HDPE))	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-19 | Port Number: 1

Background Information

Date: 6-5-19 Time: 0800
Weather/Temp: cloudy, humid, 60's
Field Technician: JMorrissey, O.Reeder

Port Information

Well Installation Date: N/A Well Depth to Water (ft bgs): 0.79
Port Interval: 65-75 Port Depth to Water (ft bgs): 11.62

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	26	25	
Start Time:	0813	0841	0910	0938	
Temperature (°C):	17.20	15.95	16.37	16.52	
pH (Standard Units):	4.63	7.91	7.94	8.13	
Conductivity (mS/cm):	0.331	0.405	0.398	0.400	
Dissolved Oxygen (mg/L):	9.11	8.22	4.60	1.33	
ORP (mV):	316	178	157	149	
Turbidity (NTU):	42.6	0.6	3.2	6.4	
Stop Time:	0816	0844	0913	0942	
Total Purge Time:	3	3	3	4	
Volume Purged (L):	3	3	3	3	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): .5
Start Time: 1007 End Time: 1010
Sample ID: MW-19-1 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-19 | Port Number: 2

Background Information

Date: 6-5-19 Time: 0800
Weather/Temp: Cloudy, Humid, 60's
Field Technician: J. Morrissey

Port Information

Well Installation Date: N/A Well Depth to Water (ft bgs): 0.79
Port Interval: 132-142 Port Depth to Water (ft bgs): 10.76

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	26	25	
Start Time:	[redacted] 0813	0841	0910	0938	
Temperature (°C):	10.94	15.30	15.64	15.48	
pH (Standard Units):	6.05	7.55	7.97	8.16	
Conductivity (mS/cm):	0.092	0.302	0.285	0.309	
Dissolved Oxygen (mg/L):	9.57	6.65	14.05	5.29	
ORP (mV):	261	177	159	150	
Turbidity (NTU):	93.8	6.9	1.2	0.0	
Stop Time:	0816	0844	0913	0942	
Total Purge Time:	3	3	3	4	
Volume Purged (L):	3	3	3.	3	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): .5
Start Time: 1007 End Time: 1010
Sample ID: MW-19-2 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-14 | Port Number: 3

Background Information

Date: 6-5-19 Time: 0860
Weather/Temp: cloudy, humid, 60's
Field Technician: J. Morrissey, O. Reeder

Port Information

Well Installation Date: N/A Well Depth to Water (ft bgs): 0.79
Port Interval: 200-210 Port Depth to Water (ft bgs): 920

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	26	25	
Start Time:	0813	0841	0910	09338	
Temperature (°C):	15.43	15.04	15.24	15.32	
pH (Standard Units):	6.65	7.53	7.99	8.12	
Conductivity (mS/cm):	0.372	0.376	0.376	0.370	
Dissolved Oxygen (mg/L):	7.80	7.34	7.07	5.54	
ORP (mV):	227	175	159	154	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0816	0844	0913	0942	
Total Purge Time:	3	3	3	4	
Volume Purged (L):	3	3	3.1	3	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): .5
Start Time: 1007 End Time: 1010
Sample ID: MW-19-3 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-19 | Port Number: 4

Background Information

Date: 6-5-19 | Time: 0800
Weather/Temp: Cloudy, humid, 60's
Field Technician: J. Morrissey, G. Roeder

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 0.79
Port Interval: 257 - 267 | Port Depth to Water (ft bgs): 285

Purge Information

Purge Pressure (PSI): 57 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	26	25	
Start Time:	0813	0841	0910	0938	
Temperature (°C):	15.26	15.09	15.19	15.35	
pH (Standard Units):	6.97	7.02	7.99	8.04	
Conductivity (mS/cm):	0.396	0.396	0.400	0.393	
Dissolved Oxygen (mg/L):	5.38	6.51	6.85	14.92	
ORP (mV):	225	174	154	158	
Turbidity (NTU):	0.0	0.0	9.0	0.0	
Stop Time:	0816	0844	0913	0942	
Total Purge Time:	3	3	3	4	
Volume Purged (L):	4	3.5	3.1	3.1	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 40 | Volume Discarded (L): .5
Start Time: 1001 | End Time: 1010
Sample ID: MW-19-4 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-19 | Port Number: 5

Background Information

Date: 6-5-19 | Time: 1020
Weather/Temp: Cloudy, humid, 60's
Field Technician: J Morrissey, G Reecter

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 0.79
Port Interval: 367 - 377 | Port Depth to Water (ft bgs): 8.75

Purge Information

Purge Pressure (PSI): 57 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25	25	
Start Time:	1020	1048	1117	1145	
Temperature (°C):	16.05	16.85	16.99	17.32	
pH (Standard Units):	8.35	8.11	8.16	8.10	
Conductivity (mS/cm):	0.194	0.695	0.648	0.634	
Dissolved Oxygen (mg/L):	6.79	8.66	0.31	34.38	
ORP (mV):	-112	84	93	158	
Turbidity (NTU):	3.9	0.0	0.0	0.0	
Stop Time:	1023	1052	1120	1148	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	4	3	3.5	3	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 46 | Volume Discarded (L): 1
Start Time: 1213 | End Time: 1216
Sample ID: MW-19-5 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial)) | (Metals (500 mL HDPE)) | PCB Congeners (1 L amber)
SVOCs 1 L amber) | Pesticides (1 L amber) | Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes:

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-19 | Port Number: 6

Background Information

Date: 6-5-19 | Time: 1020
Weather/Temp: cloudy, humid, 60's
Field Technician: J. Morrissey, G. Reeder

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 0.79
Port Interval: 180 - 190 | Port Depth to Water (ft bgs): 6.20

Purge Information

Purge Pressure (PSI): 57 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25	25	
Start Time:	1020	1048	1117	1145	
Temperature (°C):	15.71	15.83	15.92	16.27	
pH (Standard Units):	7.79	7.78	7.90	7.92	
Conductivity (mS/cm):	2.34	2.44	2.41	2.29	
Dissolved Oxygen (mg/L):	4.55	4.84	6.28	9.25	
ORP (mV):	-97	-28	67	154	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1023	1052	1120	1148	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	4	4	4	3.5	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 40 | Volume Discarded (L): 1
Start Time: 1213 | End Time: 1216
Sample ID: MW-19-6 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-19 | Port Number: 7

Background Information

Date: 6-5-19 Time: 1020
Weather/Temp: cloudy, humid, 60's
Field Technician: JMorrissey, G. Reeder

Port Information

Well Installation Date: N/A Well Depth to Water (ft bgs): 0.79
Port Interval: 545 - 555 Port Depth to Water (ft bgs): 8.73

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		25	25	25	
Start Time:	1020	1048	1117	1145	
Temperature (°C):	15.32	15.58	15.70	15.82	
pH (Standard Units):	7.80	7.72	7.81	7.85	
Conductivity (mS/cm):	2.44	2.50	2.45	2.43	
Dissolved Oxygen (mg/L):	7.02	13.92	6.10	6.34	
ORP (mV):	-44	-77	40	108	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1024	1052	1120	1148	
Total Purge Time:	4	3	3	3	
Volume Purged (L):	4	4	4	4	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36035

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 1
Start Time: 1213 End Time: 1216
Sample ID: MW-19-7 QA/QC Sample Collected: (DUPLICATE) MS/MSD
FD-060519-02

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-20 | Port Number: 1

Background Information

Date: 6/5/19 | Time: 0750
Weather/Temp: overcast 65°F
Field Technician: JM/SS

Port Information

Well Installation Date: Sept 2009 | Well Depth to Water (ft bgs): 0.81
Port Interval: 25-35 | Port Depth to Water (ft bgs): 9.20

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23	29	
Start Time:	0810	0837	0903	0929	
Temperature (°C):	13.58	17.00	17.56	17.97	
pH (Standard Units):	6.09	7.43	7.23	7.21	
Conductivity (mS/cm):	0.389	0.190	0.917	1.77	
Dissolved Oxygen (mg/L):	3.78	3.63	1.68	3.64	
ORP (mV):	202	177	157	142	
Turbidity (NTU):	6.4	2.9	0.0	0.0	
Stop Time:	0814	0840	0905	0931	
Total Purge Time:	4	3	2		
Volume Purged (L):	3	3	2.9	3	
Odor Observation:	None	N	N	N	
Visual Observation:	Slight yellow tint	Slight yellow tint	N	N	

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.2
Start Time: 0952 | End Time: 0956
Sample ID: LTM03-MW20-1-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 20 | Port Number: 2

Background Information

Date: 6/5/19 | Time: 0750
Weather/Temp: overcast 65°F
Field Technician: JM/SS

Port Information

Well Installation Date: 09/2009 | Well Depth to Water (ft bgs): 0.91
Port Interval: 85-95 | Port Depth to Water (ft bgs): 1.10

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 1 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23	24	
Start Time:	0814	0837	0903	0929	
Temperature (°C):	17.53	17.01	17.26	17.48	
pH (Standard Units):	6.50	7.17	7.37	7.47	
Conductivity (mS/cm):	0.706	0.707	0.674	0.719	
Dissolved Oxygen (mg/L):	2.28	1.94	0.69	1.27	
ORP (mV):	188	143	155	140	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0814	0840	0905	0931	
Total Purge Time:	4	3	2	2	
Volume Purged (L):	3	3	3	3	
Odor Observation:	N	N	N	N	
Visual Observation:	N	N	N	N	

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: HORIBA/U52 / 21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 0952 | End Time: 0956
Sample ID: LTM03-MW20-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 20 | Port Number: 3

Background Information

Date: 6/5/19 | Time: 0750
Weather/Temp: overcast 65°F
Field Technician: JM/SS

Port Information

Well Installation Date: Sept 2009 | Well Depth to Water (ft bgs): 0.001
Port Interval: 125-135 | Port Depth to Water (ft bgs): 6.45

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23	23	
Start Time:	0810	0837	0903	0929	
Temperature (°C):	17.63	~~17.24~~ 17.15	17.36	17.43	
pH (Standard Units):	6.78	7.27	7.37	7.46	
Conductivity (mS/cm):	0.655	0.563	0.561	0.561	
Dissolved Oxygen (mg/L):	1.69	1.37	~~4.22~~	1.59	
ORP (mV):	165	137	152	175	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0814	0840	0905	0931	
Total Purge Time:	4	3	3	2	
Volume Purged (L):	3.1	3	3	3	
Odor Observation:	None	N	N	N	
Visual Observation:	N	N	N	N	

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 0952 | End Time: 0956
Sample ID: LTM03-MW20-3-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well:	MW20	Port Number:	4

Background Information

Date: 6/5/19 Time: 0750
Weather/Temp: Overcast 65°F
Field Technician: JM/SS

Port Information

Well Installation Date: 09/2009 Well Depth to Water (ft bgs): 0.01
Port Interval: 175-185 Port Depth to Water (ft bgs): 3.54

Purge Information

Purge Pressure (PSI): 53 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23	23	
Start Time:	0810	0837	0905	0929	
Temperature (°C):	17.65	17.28	17.35	17.35	
pH (Standard Units):	7.00	7.30	7.31	7.48	
Conductivity (mS/cm):	0.372	0.467	0.479	0.476	
Dissolved Oxygen (mg/L):	2.77	2.59	1.35	9.62	
ORP (mV):	150	131	147	132	
Turbidity (NTU):	0.8	0.0	0.0	0.0	
Stop Time:	0814	0840	0906	0931	
Total Purge Time:	4	3	3	2	
Volume Purged (L):	4	3.8	3	3.1	
Odor Observation:	N	N	N	N	
Visual Observation:	Slight grey	N	N	N	

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21827

Sample Collection Information

Sample Pressure (psi): 36 Volume Discarded (L): 0.25
Start Time: 0952 End Time: 0956
Sample ID: GM03-MW20-4-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: FD-060519-01 COLLECTED HERE

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-20 | Port Number: 5

Background Information

Date: 6/5/19 | Time: 1000
Weather/Temp: cloudy 70°F
Field Technician: JM/SS

Port Information

Well Installation Date: 09/2009 | Well Depth to Water (ft bgs): 0.01
Port Interval: 205-215 | Port Depth to Water (ft bgs): 7.29

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		23	23	23	
Start Time:	1002	1028	1054	1120	
Temperature (°C):	18.34	18.29	18.88	20.61	
pH (Standard Units):	7.64	7.92	7.83	7.86	
Conductivity (mS/cm):	0.455	0.488	0.465	0.457	
Dissolved Oxygen (mg/L):	1.09	0.37	0.88	0.86	
ORP (mV):	143	124	113	105	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1005	1031	1057	1123	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	3	2.5	3	3	
Odor Observation:	N	N	N		
Visual Observation:	N	N	N		

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21027

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 1135 | End Time: 1139
Sample ID: LTMD3-MW20-5-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-20 | Port Number: 6

Background Information

Date: 6/5/19 | Time: 1000
Weather/Temp: overcast 70°F
Field Technician: JM/SS

Port Information

Well Installation Date: 09/2009 | Well Depth to Water (ft bgs): 0.01
Port Interval: 250-260 | Port Depth to Water (ft bgs): 6.87

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	23	23	23	
Start Time:	1002	1028	1054	1120	
Temperature (°C):	18.05	18.01	18.44	18.68	
pH (Standard Units):	7.48	7.70	7.72	7.75	
Conductivity (mS/cm):	0.558	0.476	0.465	0.467	
Dissolved Oxygen (mg/L):	1.16	1.49	0.94	0.80	
ORP (mV):	144	132	116	110	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1005	1031	1057	1123	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	2.1	3	3.2	3	
Odor Observation:	N	N	N	N	
Visual Observation:	N	N	N	N	

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 1135 | End Time: 1139
Sample ID: LTM03-MW20-6-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-20 | Port Number: 7

Background Information

Date: 6/5/19 | Time: 1000
Weather/Temp: overcast 70°F
Field Technician: JM/SS

Port Information

Well Installation Date: 09/2009 | Well Depth to Water (ft bgs): 0.81
Port Interval: 297 - 307 | Port Depth to Water (ft bgs): 4.59

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number:	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	—	23	23	23	
Start Time:	1002	1028	1054	1120	
Temperature (°C):	17.72	18.21	18.47	18.90	
pH (Standard Units):	7.49	7.48	7.55	7.58	
Conductivity (mS/cm):	0.558	0.573	0.524	0.524	
Dissolved Oxygen (mg/L):	2.22	1.57	1.42	1.43	
ORP (mV):	146	124	112	117	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1025	1031	1058	1124	
Total Purge Time:	23	3	4	4	
Volume Purged (L):	3.5	3	3.8	3	
Odor Observation:	N	N	N	N	
Visual Observation:	N	N	N	N	

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21237

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 1135 | End Time: 1139
Sample ID: LTM03-MW20-7-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-20 | Port Number: 8

Background Information

Date: 6/5/19 | Time: 1000
Weather/Temp: cloudy 70°F
Field Technician: JM/SS

Port Information

Well Installation Date: 09/2009 | Well Depth to Water (ft bgs): 0.01
Port Interval: 355-365 | Port Depth to Water (ft bgs): 4.00

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	———	23	23	23	
Start Time:	1002	1028	1054	1120	
Temperature (°C):	17.72	18.22	18.52	18.74	
pH (Standard Units):	7.26	7.43	7.54	7.55	
Conductivity (mS/cm):	1.01	0.530	0.519	0.510	
Dissolved Oxygen (mg/L):	1.25	1.13	2.19	2.30	
ORP (mV):	147	123	111	119	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1005	1031	1057	1123	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	3.5	3	3.1	3	
Odor Observation:	N	N	N	N	
Visual Observation:	N	N	N	N	

Average Recovery Rate (L/MIN): 0.13
Water Quality Meter Make/Model/Serial#: HORIBA U52

Sample Collection Information

Sample Pressure (psi): 36 | Volume Discarded (L): 0.25
Start Time: 1135 | End Time: 1139
Sample ID: LTM03-MW20-8-819 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW21	Port Number	1

Background Information

Date: 060719 Time: 1010
Weather/Temp: HAZY, CALM, 75F
Field Technician: SGS / JMAERA

Port Information

Well Installation Date: 9/09 Well Depth to Water (ft bgs): 0.0
Port Interval: 50-60 Port Depth to Water (ft bgs): 3.50

Purge Information

Purge Pressure (PSI): 55 Purge Volume (L): 3.80
Suggested Number of Purges: 1 Approximate 3 or 4x Purge Volume: 15.20

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30	30	
Start Time:	1029	1102	1131	1206	
Temperature (°C):	18.30	18.87	18.77	19.50	
pH (Standard Units):	7.94	7.86	7.83	7.90	
Conductivity (mS/cm):	0.917	0.843	0.788	0.800	
Dissolved Oxygen (mg/L):	1.67	2.99	3.00	2.64	
ORP (mV):	105	102	98	94	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1031	1109	1136	1208	
Total Purge Time:	2	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.075
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 38 Volume Discarded (L): 0.25
Start Time: 1238 End Time: 1241
Sample ID: LTM03-MW21-1-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes
BAILED WATER FROM ENCLOSURE

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 3

Well	MW21	Port Number	2

Background Information

Date: 06 07 19 Time: 1010
Weather/Temp: Hazy
Field Technician: SGS, TMARRA

Port Information

Well Installation Date: 9/2009 Well Depth to Water (ft bgs): 0.0
Port Interval: 87-97 Port Depth to Water (ft bgs): 0.0

Purge Information

Purge Pressure (PSI): 55 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30	30	
Start Time:	1029	1102	1134	1206	
Temperature (°C):	16.75	17.39	17.73	17.77	
pH (Standard Units):	7.58	7.42	7.56	7.65	
Conductivity (mS/cm):	2.25	2.22	1.99	1.06	
Dissolved Oxygen (mg/L):	3.49	2.23	3.19	4.07	
ORP (mV):	158	133	126	104	
Turbidity (NTU):	~~1007~~ 0.0	0.0	0.0	0.0	
Stop Time:	1071	1104	1136	1208	
Total Purge Time:	2	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.075
Water Quality Meter Make/Model/Serial#: HORIBA U52 21227

Sample Collection Information

Sample Pressure (psi): 38 Volume Discarded (L): 0.25
Start Time: 1238 End Time: 1241
Sample ID: LTMPMW21-2-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes
BAILED WATER FROM ENCLOSURE

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 3

Well: MW21 | Port Number: 3

Background Information

Date: 060719 | Time: 1010
Weather/Temp: HAZY, CALM, 75F
Field Technician: JMARM, SGS

Port Information

Well Installation Date: 09/09 | Well Depth to Water (ft bgs): 0.0
Port Interval: 150-160 | Port Depth to Water (ft bgs): 1.50

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30	30	
Start Time:	1029	1102	1134	1206	
Temperature (°C):	15.97	16.61	17.02	17.13	
pH (Standard Units):	7.66	7.52	7.52	7.52	
Conductivity (mS/cm):	0.989	0.967	1.01	0.940	
Dissolved Oxygen (mg/L):	2.50	1.96	2.37	2.59	
ORP (mV):	150	120	116	106	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1031	1104	1136	1208	
Total Purge Time:	2	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.075
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 38 | Volume Discarded (L): 0.75
Start Time: 1238 | End Time:
Sample ID: LTM03-MW21-3-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:
BAILED WATER FROM ENCLOSURE

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW21	Port Number:	4

Background Information

Date: 06/07/19 Time: 1010
Weather/Temp: Hazy, CALM, 75F
Field Technician: SGS, JMARAN

Port Information

Well Installation Date: 9/09
Port Interval: 205-215
Well Depth to Water (ft bgs): 1.75
Port Depth to Water (ft bgs): 0.0

Purge Information

Purge Pressure (PSI): 55 Purge Volume (L):
Suggested Number of Purges: Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30	20	
Start Time:	1029	1102	1134	1206	
Temperature (°C):	16.39	16.23	15.98	16.52	
pH (Standard Units):	7.30	7.24	7.28	7.41	
Conductivity (mS/cm):	2.19	2.21	1.98	1.01	
Dissolved Oxygen (mg/L):	3.31	3.72	1.77	2.55	
ORP (mV):	158	130	124	108	
Turbidity (NTU):	1.7	0.0	0.0	0.0	
Stop Time:	1032	1104	1136	1208	
Total Purge Time:	3	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.075
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 28 Volume Discarded (L): 0.25
Start Time: 1238 End Time: 1241
Sample ID: LTM03-MW21-4-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:
BAILED WATER FROM ENCLOSURE

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW21 | Port Number: 5

Background Information

Date: 08/07/19 | Time: 1010
Weather/Temp: HAZY, CALM 75 F
Field Technician: SGS / JM/AMA

Port Information

Well Installation Date: 09/09 | Well Depth to Water (ft bgs): 0.00
Port Interval: 268-278 | Port Depth to Water (ft bgs): 0.0

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30	30	
Start Time:	1029	1102	1134	1206	
Temperature (°C):	16.81	16.11	16.05	16.17	
pH (Standard Units):	7.40	7.40	7.37	7.39	
Conductivity (mS/cm):	1.50	1.03	1.06	1.00	
Dissolved Oxygen (mg/L):	10.59	1.09	1.99	2.39	
ORP (mV):	154	114	112	106	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1032	1104	1136	1208	
Total Purge Time:	3	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.075
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 38 | Volume Discarded (L): 0.25
Start Time: 1238 | End Time: 1241
Sample ID: LTM03-MW21-5-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:
BAILED WATER FROM ENCLOSURE

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW21 | Port Number: 6

Background Information

Date: 06 07 19 | Time: 1010
Weather/Temp: HAZY, CALM, 75F
Field Technician: SGS, JMARR

Port Information

Well Installation Date: 09/09 | Well Depth to Water (ft bgs): 0.0
Port Interval: 428 - 438 | Port Depth to Water (ft bgs): 0.0

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30	30	
Start Time:	1029	1102	1134	1206	
Temperature (°C):	16.15	15.95	16.04	16.09	
pH (Standard Units):	7.37	7.19	7.20	7.22	
Conductivity (mS/cm):	2.23	2.30	2.29	2.26	
Dissolved Oxygen (mg/L):	3.17	1.20	1.98	2.03	
ORP (mV):	153	117	116	113	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1032	1104	1136	1208	
Total Purge Time:	3	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.075
Water Quality Meter Make/Model/Serial#: HORIBA U52 21227

Sample Collection Information

Sample Pressure (psi): 38 | Volume Discarded (L): 0.25
Start Time: 1238 | End Time: 1241
Sample ID: LTM03-MW21-6-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	(Metals (500 mL HDPE))	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: BAILED WATER FROM ENCLOSURE

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU 3 Groundwater Long-Term Monitoring Round 2

Well: MW 21 | Port Number: 7

Background Information

Date: 060719 | Time: 1010
Weather/Temp: HAZY / CALM, 75F
Field Technician: SGS / JMAERA

Port Information

Well Installation Date: 09/09 | Well Depth to Water (ft bgs): 0.0
Port Interval: 485 - 495 | Port Depth to Water (ft bgs): 0.0

Purge Information

Purge Pressure (PSI): 55 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number:	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30	30	
Start Time:	1029	1102	1134	1206	
Temperature (°C):	16.39	16.12	15.85	16.03	
pH (Standard Units):	7.08	7.19	7.19	7.19	
Conductivity (mS/cm):	0.250	2.55	2.54	2.54	
Dissolved Oxygen (mg/L):	4.09	2.17	1.63	1.34	
ORP (mV):	151	112	99	98	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1032	1104	1136	1208	
Total Purge Time:	3	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.075
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21277

Sample Collection Information

Sample Pressure (psi): 38 | Volume Discarded (L): 0.25
Start Time: 1238 | End Time: 1241
Sample ID: LM03-MW21-7-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: BAILED WATER FROM EW CLOSURE

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: ~~ERT-4~~ MW21 SS060719 | Port Number: 8

Background Information

Date: 060719 | Time: 1010
Weather/Temp: HAZY, CALM, 75F
Field Technician: SGS / JMARRA

Port Information

Well Installation Date: 09/09 | Well Depth to Water (ft bgs): 0.0
Port Interval: 505 - 515 | Port Depth to Water (ft bgs): 0.0

Purge Information

Purge Pressure (PSI): 53 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		30	30	30	
Start Time:	1029	1102	1134	1206	
Temperature (°C):	16.43	16.16	16.58	16.19	
pH (Standard Units):	7.26	7.19	7.19	7.19	
Conductivity (mS/cm):	2.48	2.50	2.49	2.48	
Dissolved Oxygen (mg/L):	2.87	2.75	2.82	2.11	
ORP (mV):	145	107	91	82	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1032	1104	1136	1208	
Total Purge Time:	3	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.075
Water Quality Meter Make/Model/Serial#: HORIBA / 452 / 21227

Sample Collection Information

Sample Pressure (psi): 35 | Volume Discarded (L): 0.25
Start Time: 1238 | End Time: 1241
Sample ID: LTM03-MW21-8-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial) | Metals (500 mL HDPE) | PCB Congeners (1 L amber)
SVOCs 1 L amber) | Pesticides (1 L amber) | Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes:

BAILED WATER FROM ENCLOSURE

ERT 4
2 PURGES 23 ...

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW-22	Port Number	1

Background Information

Date: 6-6-19 Time: 0750
Weather/Temp: Sunny, humid, 70s
Field Technician: JM, GR

Port Information

Well Installation Date: 10/2009 Well Depth to Water (ft bgs): 2.35
Port Interval: 45'/55' Port Depth to Water (ft bgs): 6.75

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L): 3.37
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume: 9.93

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		21	21	21	
Start Time:	0805	0828	0853	0918	
Temperature (°C):	18.50	17.60	17.66	17.97	
pH (Standard Units):	5.85	7.76	7.92	8.00	
Conductivity (mS/cm):	0.410	0.287	0.269	0.269	
Dissolved Oxygen (mg/L):	0.00	0.00	0.00	0.00	
ORP (mV):	219	128	120	112	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0807	0831	0856	0921	
Total Purge Time:	2	3	3	3	
Volume Purged (L):	1.2	3.9	3.75	4	
Odor Observation	None	None	None	None	
Visual Observation	None	None	None	None	

Average Recovery Rate (L/MIN): 0.19
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / VT23WEGH

Sample Collection Information

Sample Pressure (psi): 41 Volume Discarded (L): 1.75
Start Time: 0943 End Time 1000
Sample ID: LTM03-MW22-1-519 QA/QC Sample Collected DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
ask: OU 3 Groundwater Long-Term Monitoring Round 2

Well	MW-27	Port Number	2

Background Information

Date: 6-6-19 Time: 0750
Weather/Temp: sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 10/2009 Well Depth to Water (ft bgs): 2.35
Port Interval: 125 | 135 Port Depth to Water (ft bgs): 6.70

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		21	21	21	
Start Time:	0805	0828	0853	0918	
Temperature (°C):	17.57	16.69	16.66	16.59	
pH (Standard Units):	7.02	7.63	7.71	7.82	
Conductivity (mS/cm):	0.427	0.421	0.421	0.424	
Dissolved Oxygen (mg/L):	8.23	8.41	8.67	0.00	
ORP (mV):	162	130	124	117	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0807	0831	0856	0921	
Total Purge Time:	2	3	3	3	
Volume Purged (L):	3.75	3.8	4	3.75	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.19
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / UT23WEGH

Sample Collection Information

Sample Pressure (psi): 41 Volume Discarded (L): 1.75
Start Time: 0943 End Time: 1009
Sample ID: LTM03-MW22-2-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW 22	Port Number	3

Background Information

Date: 6-6-19 Time: 0750
Weather/Temp: Sunny, humid, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 10/2009 Well Depth to Water (ft bgs): 2.35
Port Interval: 210/220 Port Depth to Water (ft bgs): 6.90

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		21	21	21	
Start Time:	0805	0828	0853	0918	
Temperature (°C):	17.26	16.92	16.60	16.73	
pH (Standard Units):	7.10	7.78	7.84	7.88	
Conductivity (mS/cm):	0.409	0.308	0.386	0.392	
Dissolved Oxygen (mg/L):	3.03	8.29	0.00	3.54	
ORP (mV):	182	120	117	111	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0807	0831	0856	0921	
Total Purge Time:	2	3	3	3	
Volume Purged (L):	3.8	4	4	3.75	
Odor Observation:	NON	NON	None	NON	
Visual Observation:	NON	NON	NON	NON	

Average Recovery Rate (L/MIN): 0.14
Water Quality Meter Make/Model/Serial: Horiba / U-5000 / UT23WEGH

Sample Collection Information

Sample Pressure (psi): 41 Volume Discarded (L): 1.75
Start Time: 0943 End Time: 1000
Sample ID: UTM03-MW22-3-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCB Arochlor (1 L amber))	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW 22	Port Number	4

Background Information

Date: 6-5-19 Time: 0750
Weather/Temp: sunny, humid, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: 10/2009 Well Depth to Water (ft bgs): 2.35
Port Interval: 305/315 Port Depth to Water (ft bgs): 5.81

Purge Information

Purge Pressure (PSI): 57 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		21	21	21	
Start Time:	0805	0828	0853	0918	
Temperature (°C):	18.05	17.61	17.35	17.39	
pH (Standard Units):	7.23	7.83	7.94	7.99	
Conductivity (mS/cm):	0.268	0.278	0.281	0.278	
Dissolved Oxygen (mg/L):	0.13	6.89	0.15	0.00	
ORP (mV):	143	95	71	95	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0807	0832	0857	0922	
Total Purge Time:	2	4	4	4	
Volume Purged (L):	3.5	3.75	3.8	3.8	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.16
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / UT23WEGH

Sample Collection Information

Sample Pressure (psi): 41 Volume Discarded (L): 1.75
Start Time: 0943 End Time: 1000
Sample ID: LTM03-MW22-4-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	(Metals (500 mL HDPE))	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 23	Port Number: 1

Background Information

Date: 6-6-19 Time: 1130
Weather/Temp: sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: ~~10/2009~~ Soon 12/2020 Well Depth to Water (ft bgs): 2.92
Port Interval: 60 | 70 Port Depth to Water (ft bgs): 133

Purge Information

Purge Pressure (PSI): 59 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1134	1157	1221	1244	
Temperature (°C):	18.54	17.38	17.92	18.12	
pH (Standard Units):	7.94	7.96	7.88	7.82	
Conductivity (mS/cm):	0.448	0.452	0.462	0.458	
Dissolved Oxygen (mg/L):	0.20	0.00	0.00	0.00	
ORP (mV):	116	145	197	161	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1137	1201	1224	1247	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.3	2.8	2.8	2.75	
Odor Observation	None	None	None	None	
Visual Observation	None	None	None	None	

Average Recovery Rate (L/MIN) 0.14
Water Quality Meter Make/Model/Serial#: [redacted] Horiba / U-5000 / VT23WEGH

Sample Collection Information

Sample Pressure (psi): 37 Volume Discarded (L.) 1.5
Start Time: 1307 End Time 1315
Sample ID: UTM03-MW23-1-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU-3 Groundwater Long-Term Monitoring Round 2

Well: MW23 | Port Number: 2

Background Information

Date: 6-6-19 | Time: 1130
Weather/Temp: Sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 12/2010 | Well Depth to Water (ft bgs): 2.92
Port Interval: 120/130 | Port Depth to Water (ft bgs): 16.09

Purge Information

Purge Pressure (PSI): 59 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1134	1157	1221	1244	
Temperature (°C):	17.18	16.26	16.67	16.61	
pH (Standard Units):	7.77	7.88	7.76	7.75	
Conductivity (mS/cm):	0.500	0.503	0.507	0.510	
Dissolved Oxygen (mg/L):	0.00	0.00	0.00	0.00	
ORP (mV):	176	161	188	162	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1137	1201	1224	1247	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.2	2.8	3	3	
Odor Observation:	NON	NON	None	None	
Visual Observation	None	None	None	None	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / VT23WE6H

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 1.5
Start Time: 1307 | End Time: 1315
Sample ID: UTM23-MW23-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW23 | Port Number: 3

Background Information

Date: 6-6-19 | Time: 1130
Weather/Temp: Sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 12/28/10 | Well Depth to Water (ft bgs): 2.92
Port Interval: 170/180 | Port Depth to Water (ft bgs): 15.81

Purge Information

Purge Pressure (PSI): 59 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1134	1157	1221	1244	
Temperature (°C):	16.92	17.64	16.51	16.68	
pH (Standard Units):	7.72	7.75	7.72	7.76	
Conductivity (mS/cm):	0.517	0.512	0.529	0.525	
Dissolved Oxygen (mg/L):	0.00	0.00	0.00	0.00	
ORP (mV):	173	160	185	158	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1137	1201	1224	1247	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3	2.5	3	3	
Odor Observation:	NONE	NONE	NONE	NONE	
Visual Observation:	NONE	NONE	NONE	NONE	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / UT-23WEGH

Sample Collection Information

Sample Pressure (psi): 35 | Volume Discarded (L): 1.5
Start Time: 1307 | End Time: 1315
Sample ID: UTM03-MW23-3-819 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 23 | Port Number: 4

Background Information

Date: 6-6-19 | Time: 1130
Weather/Temp: Sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 12/2010 | Well Depth to Water (ft bgs): 2.92
Port Interval: 226/236 | Port Depth to Water (ft bgs): 12.87

Purge Information

Purge Pressure (PSI): 59 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1134	1157	1221	1244	
Temperature (°C):	17.00	17.31	16.76	16.91	
pH (Standard Units):	7.68	7.76	7.73	7.79	
Conductivity (mS/cm):	0.460	0.455	0.466	0.459	
Dissolved Oxygen (mg/L):	0.00	0.00	0.00	0.00	
ORP (mV):	186	159	183	157	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1137	1201	1224	1247	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.75	3.2	3	3	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / UT23NE5GH

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 1.5
Start Time: 1307 | End Time: 1315
Sample ID: UTM03-MW23-4-515 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW 23	Port Number	5

Background Information

Date: 6-6-19 Time: 1130
Weather/Temp: sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 12/2010 Well Depth to Water (ft bgs): 2.92
Port Interval: 258, 268 Port Depth to Water (ft bgs): 15.80

Purge Information

Purge Pressure (PSI): 59 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1134	1157	1221	1244	
Temperature (°C):	17.63	17.62	17.74	17.61	
pH (Standard Units):	7.63	7.76	7.88	7.91	
Conductivity (mS/cm):	0.409	0.406	0.411	0.410	
Dissolved Oxygen (mg/L):	8.52	7.26	0.00	3.50	
ORP (mV):	191	164	177	154	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1137	1201	1224	1247	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.5	3.2	2.9	3.2	
Odor Observation:	NONE	NONE	NONE	NONE	
Visual Observation:	NONE	NONE	NONE	NONE	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba U-5000/U723WEGH 52

Sample Collection Information

Sample Pressure (psi): 37 Volume Discarded (L): 4.5
Start Time: 1307 End Time: 1315
Sample ID: LTM03-MW23-5-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
ask: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 23 | Port Number: 6

Background Information

Date: 6-6-19 | Time: 1130
Weather/Temp: Sunny, mwind, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: _____ | Well Depth to Water (ft bgs): 292
Port Interval: 316 | 220 | Port Depth to Water (ft bgs): 18.59

Purge Information

Purge Pressure (PSI): 59 | Purge Volume (L): _____
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	25	
Start Time:	1320	1344	1407	1435	
Temperature (°C):	18.67	18.33	19.42	19.25	
pH (Standard Units):	7.98	8.00	8.06	8.19	
Conductivity (mS/cm):	0.332	0.367	0.347	0.342	
Dissolved Oxygen (mg/L):	5.75	6.00	7.09	6.92	
ORP (mV):	135	103	97	101	
Turbidity (NTU):	0.0	0.0	3.1	1.4	
Stop Time:	1324	1347	1410	1438	
Total Purge Time:	4	3	3	3	
Volume Purged (L):	3	3	2	2.5	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): _____
Water Quality Meter Make/Model/Serial#: Horiba / U-52000 / VT23WEGH

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 1.5
Start Time: 1458 | End Time: 1505
Sample ID: LTM03-MW23-6-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	(Metals (500 mL HDPE))	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW23 | Port Number: 7

Background Information

Date: 6-6-19 | Time: 1130
Weather/Temp: Sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 12/20/0 | Well Depth to Water (ft bgs): 2.92
Port Interval: 360/360 | Port Depth to Water (ft bgs): 15.37

Purge Information

Purge Pressure (PSI): 59 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	25	
Start Time:	1320	1344	1407	1435	
Temperature (°C):	17.04	17.24	18.16	17.52	
pH (Standard Units):	7.83	8.00	7.97	8.09	
Conductivity (mS/cm):	0.342	0.344	0.347	0.335	
Dissolved Oxygen (mg/L):	9.38	6.00	0.27	0.00	
ORP (mV):	180	103	106	110	
Turbidity (NTU):	45.0	0.0	0.0	0.0	
Stop Time:	1324	1347	1410	1438	
Total Purge Time:	4	3	3	4	
Volume Purged (L):	4	3	4	3.5	
Odor Observation:	None	None	None		
Visual Observation:	some sediment yellow color	None	None		

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / UT73WE01H

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 1.5
Start Time: 1458 | End Time: 1505
Sample ID: UTM03-MW23-7-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW23	Port Number: 8

Background Information

Date: 6-6-19 Time: 1130
Weather/Temp: sunny, humid, 80's
Field Technician: JM, BR

Port Information

Well Installation Date: 12/2010 Well Depth to Water (ft bgs): 2.92
Port Interval: 406/416 Port Depth to Water (ft bgs): 18.45

Purge Information

Purge Pressure (PSI): 59 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	25	
Start Time:	1320	1344	1407	1435	
Temperature (°C):	17.13	17.68	18.12	17.91	
pH (Standard Units):	7.70	7.79	7.84	7.87	
Conductivity (mS/cm):	0.662	0.790	0.713	0.679	
Dissolved Oxygen (mg/L):	7.06	0.00	0.00	0.00	
ORP (mV):	181	51	61	64	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1324	1348	1410	1439	
Total Purge Time:	4	4	3	4	
Volume Purged (L):	3	3	2.5	3	
Odor Observation:	None	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / VT23WE6H

Sample Collection Information

Sample Pressure (psi): 37 Volume Discarded (L): 1.5
Start Time: 1458 End Time: 1505
Sample ID: UTMD3-MW23-8-519 QA/QC Sample Collected: DUPLICATE: MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
ask: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 23 | Port Number: 9

Background Information

Date: 6-6-19 | Time: 1130
Weather/Temp: Sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 12/2010 | Well Depth to Water (ft bgs): 2.92
Port Interval: 444/454 | Port Depth to Water (ft bgs): 9.14

Purge Information

Purge Pressure (PSI): 59 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	25	
Start Time:	1320	1349	1407	1435	
Temperature (°C):	17.98	18.67	19.12	18.95	
pH (Standard Units):	7.57	7.67	7.63	7.71	
Conductivity (mS/cm):	1.15	1.36	1.44	1.46	
Dissolved Oxygen (mg/L):	0.00	0.06	0.00	7.81	
ORP (mV):	-32	69	6	37	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1324	1348	1410	1439	
Total Purge Time:	4	4	3		
Volume Purged (L):	3	3	5	3	
Odor Observation:	Petroleum odor	None	None	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U-5000 / UT23WEGH

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 1.5
Start Time: 1458 | End Time: 1505
Sample ID: LTM23-MW23-9-619 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-24 | Port Number: 1

Background Information

Date: 6-5-19 | Time: 1345
Weather/Temp: Sunny, Humid, 80's
Field Technician: JMarrissey, GReddor

Port Information

Well Installation Date: 2016 | Well Depth to Water (ft bgs): 0.67
Port Interval: 85-95 | Port Depth to Water (ft bgs): 14.01

Purge Information

Purge Pressure (PSI): 70 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		37	39	31	
Start Time:	1350	1430	1512	1595	
Temperature (°C):	19.87	20.99	20.09	19.70	
pH (Standard Units):	7.94	8.15	8.47	8.41	
Conductivity (mS/cm):	0.395	0.375	0.375	0.397	
Dissolved Oxygen (mg/L):	8.29	6.20	2.69	1.82	
ORP (mV):	-215	-214	-124	-102	
Turbidity (NTU):	1.4	5.7	8.1	1.8	
Stop Time:	1352	1432	1514	1549	
Total Purge Time:	2	2	2	2	
Volume Purged (L):	2	2	2	2	
Odor Observation:	sulfer	sulfer	Sulfer	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.11
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 42 | Volume Discarded (L): .5
Start Time: 1610 | End Time: 1650
Sample ID: MW24-1 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes: Let recharge once during sampling

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-24	Port Number: 2

Background Information

Date: 6-5-19 Time: 1345
Weather/Temp: sunny, humid, 80's
Field Technician: JM, SR

Port Information

Well Installation Date: 2016 Well Depth to Water (ft bgs): 0.42
Port Interval: 135 - 145 Port Depth to Water (ft bgs): 13.01

Purge Information

Purge Pressure (PSI): 70 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		36	38	30	
Start Time:	1350	1430	1512	1545	
Temperature (°C):	17.89	18.43	23.04	17.96	
pH (Standard Units):	8.09	8.21	8.19	8.22	
Conductivity (mS/cm):	0.524	0.474	0.430	0.517	
Dissolved Oxygen (mg/L):	3.16	4.81	0.47	11.15	
ORP (mV):	-172	-216	-117	-76	
Turbidity (NTU):	0.8	0.0	0.0	0.0	
Stop Time:	1353	1433	1515	1548	
Total Purge Time:	3	3	3		
Volume Purged (L):	3.9	3	3	2.5	
Odor Observation:	Sulfer	Sulfer	Sulfer	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.11
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 42 Volume Discarded (L): .5
Start Time: 1618 End Time: 1650
Sample ID: MW24-2 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-24 | Port Number: 3

Background Information

Date: 6-5-19 | Time: 1345
Weather/Temp: sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 2016 | Well Depth to Water (ft bgs): 0.62
Port Interval: 240 - 250 | Port Depth to Water (ft bgs): 11.28

Purge Information

Purge Pressure (PSI): 70 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		36	38	30	
Start Time:	1350	1430	1512	1545	
Temperature (°C):	17.34	18.21	18.43	17.78	
pH (Standard Units):	8.11	8.00	8.28	8.18	
Conductivity (mS/cm):	0.418	0.419	0.415	0.429	
Dissolved Oxygen (mg/L):	7.10	0.00	1.06	0.17	
ORP (mV):	-155	-234	-82	-9	
Turbidity (NTU):	0.0	6.2	4.0	0.0	
Stop Time:	1353	1433	1515	1548	
Total Purge Time:	3	3	3		
Volume Purged (L):	3.9	3	3.2	3.2	
Odor Observation:	sulfur	sulfur	sulfur	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.11
Water Quality Meter Make/Model/Serial#: HORIBA / 452 / 36835

Sample Collection Information

Sample Pressure (psi): 42 | Volume Discarded (L): .5
Start Time: 1618 | End Time: 1650
Sample ID: MW24-3 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-24	Port Number: 4

Background Information

Date: 6-5-19 Time: 1345
Weather/Temp: sunny, humid, 80's
Field Technician: JM, GR

Port Information

Well Installation Date: 2019 Well Depth to Water (ft bgs): 0.62
Port Interval: 332 - 342 Port Depth to Water (ft bgs): 11.09

Purge Information

Purge Pressure (PSI): 70 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		32	35	30	
Start Time:	1354	1430	1512	1545	
Temperature (°C):	18.05	17.76	19.49	16.84	
pH (Standard Units):	8.02	7.92	8.12	8.06	
Conductivity (mS/cm):	0.503	0.513	0.501	0.524	
Dissolved Oxygen (mg/L):	5.95	0.00	1.14	1.58	
ORP (mV):	-191	-238	-56	26	
Turbidity (NTU):	0.0	0.0	9.1	0.0	
Stop Time:	1358	1434	1515	1548	
Total Purge Time:	4	4	3	3	
Volume Purged (L):	3.75	3.5	3	3	
Odor Observation:	Sulfer	Sulfer	Sulfer	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.11
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36635

Sample Collection Information

Sample Pressure (psi): 42 Volume Discarded (L): .5
Start Time: 1618 End Time: 1650
Sample ID: MW24-4 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-24 | Port Number: 5

Background Information

Date: 6-5-19 | Time: 1345
Weather/Temp: sunny, humid, 80's
Field Technician: JM, KB

Port Information

Well Installation Date: 2016 | Well Depth to Water (ft bgs): 0.62
Port Interval: 370 - 380 | Port Depth to Water (ft bgs): 10.13

Purge Information

Purge Pressure (PSI): 70 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		32	35	30	
Start Time:	1354	1430	1512	1545	
Temperature (°C):	17.17	17.70	18.01	16.99	
pH (Standard Units):	8.11	8.07	8.14	8.03	
Conductivity (mS/cm):	0.427	0.432	0.426	0.432	
Dissolved Oxygen (mg/L):	4.74	3.92	3.59	2.19	
ORP (mV):	-199	-228	-47	41	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1358	1434	1515	1548	
Total Purge Time:	4	4	3	3	
Volume Purged (L):	3.9	3.5	3	3.5	
Odor Observation:	Sulfer	Sulfer	Sulfer	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.11
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36935

Sample Collection Information

Sample Pressure (psi): 42 | Volume Discarded (L): .5
Start Time: 1618 | End Time: 1650
Sample ID: MW24-5 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-24	Port Number: 6

Background Information

Date: 6-5-19 Time: 1345
Weather/Temp: Sunny, humid, 80's
Field Technician:

Port Information

Well Installation Date: 2016 Well Depth to Water (ft bgs): 0.62
Port Interval: 155-165 Port Depth to Water (ft bgs): 10.68

Purge Information

Purge Pressure (PSI): 70 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		32	35	29	
Start Time:	1354	1430	1512	1545	
Temperature (°C):	17.03	18.00	18.02	17.25	
pH (Standard Units):	7.94	7.78	7.91	7.84	
Conductivity (mS/cm):	0.691	0.703	0.705	0.696	
Dissolved Oxygen (mg/L):	0.00	1.60	0.00	0.78	
ORP (mV):	-197	-218	-56	60	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1358	1434	1516	1548	
Total Purge Time:	4	4	4	3	
Volume Purged (L):	3.75	3.5	3.5	3.75	
Odor Observation:	Sulfer	Sulfer	Sulfer	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.11
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 36835

Sample Collection Information

Sample Pressure (psi): 42 Volume Discarded (L): .5
Start Time: 1418 End Time: 1650
Sample ID: MW24-6 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCD Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW25 | Port Number 1

Background Information

Date 6-7-19 Time 0745
Weather/Temp cloudy/sunny, 70's
Field Technician JM, GR

Port Information

Well Installation Date: Well Depth to Water (ft bgs): 3.58
Port Interval: 85/95 Port Depth to Water (ft bgs): 14.69

Purge Information

Purge Pressure (PSI): 72 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	25	
Start Time:	0756	0822	0851	0920	
Temperature (°C):	17.03	15.50	15.43	16.14	
pH (Standard Units):	5.58	6.76	7.09	7.16	
Conductivity (mS/cm):	0.393	0.369	0.371	0.367	
Dissolved Oxygen (mg/L):	0.00	9.59	1.63	6.08	
ORP (mV):	185	-132	55	71	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0800	0825	0854	0923	
Total Purge Time:	4	3	3	3	
Volume Purged (L):	3.8	3	3	2.5	
Odor Observation:	Sulfer	Sulfer	Sulfer	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Honda / U52 / UWHTANNW

Sample Collection Information

Sample Pressure (psi): 44 Volume Discarded (L): 1.6
Start Time: 0949 End Time: 1000
Sample ID: LTM03-MW25-1-S19 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW-25	Port Number:	2

Background Information

Date: 6-7-19 Time: 0745
Weather/Temp: Sunny/cloudy, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: _____ Well Depth to Water (ft bgs): 3.58
Port Interval: 175/185 Port Depth to Water (ft bgs): 12.53

Purge Information

Purge Pressure (PSI): 72 Purge Volume (L): _____
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	25	
Start Time:	0754	0822	0851	0920	
Temperature (°C):	15.53	14.91	14.70	15.51	
pH (Standard Units):	6.04	6.74	7.03	7.06	
Conductivity (mS/cm):	0.354	0.359	0.365	0.358	
Dissolved Oxygen (mg/L):	1.65	0.00	7.80	7.85	
ORP (mV):	164	-156	58	83	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0800	0825	0854	0923	
Total Purge Time:	4	3	3	3	
Volume Purged (L):	4	3.25	3	3	
Odor Observation:	Sulfer	Sulfer	Sulfer	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba / U52 / UWHTANNW

Sample Collection Information

Sample Pressure (psi): 44 Volume Discarded (L): 1.6
Start Time: 0949 End Time: 1000
Sample ID: 4M03-MW25-2-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW25	Port Number: 3

Background Information

Date: 6-7-19 Time: 0745
Weather/Temp: Cloudy/sunny, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: _____ Well Depth to Water (ft bgs): 3.58
Port Interval: 200/210 Port Depth to Water (ft bgs): 2.90

Purge Information

Purge Pressure (PSI): 72 Purge Volume (L): _____
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	25	
Start Time:	0756	0822	0851	0920	
Temperature (°C):	14.87	14.55	14.53	14.98	
pH (Standard Units):	6.16	6.68	6.94	6.99	
Conductivity (mS/cm):	0.399	0.408	0.420	0.416	
Dissolved Oxygen (mg/L):	0.06	8.76	7.70	0.50	
ORP (mV):	160	-152	63	84	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0800	0825	0854	0923	
Total Purge Time:	4	3	3	3	
Volume Purged (L):	4	3	3	3	
Odor Observation:	Sulfer	Sulfer	Sulfer	None	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba/U52/UWHTANNW

Sample Collection Information

Sample Pressure (psi): 44 Volume Discarded (L): 1.6
Start Time: 0940 End Time: 1000
Sample ID: USM03-MW25-3-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
(VOC's (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW25 | Port Number: 4

Background Information

Date: 6-7-19 | Time: 0745
Weather/Temp: sunny | cloudy, 70's
Field Technician: JM, BR

Port Information

Well Installation Date: | Well Depth to Water (ft bgs): 3.58
Port Interval: 275/285 | Port Depth to Water (ft bgs): 12.18

Purge Information

Purge Pressure (PSI): 72 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	25	
Start Time:	0750	0822	0851	0920	
Temperature (°C):	14.88	14.54	14.44	14.92	
pH (Standard Units):	6.23	6.64	6.86	6.93	
Conductivity (mS/cm):	0.452	0.440	0.454	0.457	
Dissolved Oxygen (mg/L):	0.00	0.00	0.20	0.80	
ORP (mV):	156	-162	65	86	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0800	0825	0855	0924	
Total Purge Time:	4	3	4	4	
Volume Purged (L):	4	3.5	3.5	3.5	
Odor Observation:	Sulfur	Sulfur	Sulfur	None	
Visual Observation	None	None	None	None	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba | U52 | UWHTANNW

Sample Collection Information

Sample Pressure (psi): 44 | Volume Discarded (L): 1.6
Start Time: 0949 | End Time: 1000
Sample ID: UTM03-MW25-4-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW25 | Port Number: 5

Background Information

Date: 6-7-19 | Time: 0745
Weather/Temp: cloudy / sunny
Field Technician: JM, GR

Port Information

Well Installation Date: | Well Depth to Water (ft bgs): 3.58
Port Interval: 345 / 355 | Port Depth to Water (ft bgs): 13.08

Purge Information

Purge Pressure (PSI): 72 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	25	
Start Time:	0756	0822	0851	0920	
Temperature (°C):	14.91	14.62	14.58	14.82	
pH (Standard Units):	6.34	6.79	6.99	7.05	
Conductivity (mS/cm):	0.345	0.354	0.349	0.343	
Dissolved Oxygen (mg/L):	0.00	4.72	8.43	8.23	
ORP (mV):	151	-142	56	80	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	0800	0826	0855	0924	
Total Purge Time:	4	4	4	4	
Volume Purged (L):	4	3	3.75	3	
Odor Observation:	sulfer	sulfer	sulfer	none	
Visual Observation:	none	none	none	none	

Average Recovery Rate (L/MIN): 0.12
Water Quality Meter Make/Model/Serial#: Horiba / U52 / UWHTANNW

Sample Collection Information

Sample Pressure (psi): 44 | Volume Discarded (L): 1.6
Start Time: 0949 | End Time: 1000
Sample ID: LTM03-MW25-5-319 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW25 | Port Number: 6

Background Information

Date: 6-7-19 | Time: 0745
Weather/Temp: sunny/cloudy, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: _____ | Well Depth to Water (ft bgs): 3.58
Port Interval: 435/445 | Port Depth to Water (ft bgs): 18.29

Purge Information

Purge Pressure (PSI): 72 | Purge Volume (L): _____
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume: _____

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	25	
Start Time:	0756	0822	0851	0920	
Temperature (°C):	14.88	14.82	14.69	15.13	
pH (Standard Units):	6.33	6.86	7.06	7.14	
Conductivity (mS/cm):	0.311	0.316	0.316	0.312	
Dissolved Oxygen (mg/L):	0.00	0.36	3.09	0.35	
ORP (mV):	-128	-129	56	78	
Turbidity (NTU):	0.0	7.2	10.0	7.0	
Stop Time:	0800	0826	0855	0924	
Total Purge Time:	4	4	4	4	
Volume Purged (L):	3.75	3.5	4	3	
Odor Observation:	Sulfer	Sulfer	sulfer	None	
Visual Observation:	None	orange color	slight orange color	very slight orange color	

Average Recovery Rate (L/MIN): 0.17
Water Quality Meter Make/Model/Serial#: Horiba | U52 | UWHTANNW

Sample Collection Information

Sample Pressure (psi): 44 | Volume Discarded (L): 1.0
Start Time: 0949 | End Time 1000
Sample ID: LTM03-MW25-6-524 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW26 | Port Number: 1

Background Information

Date: 06/06/19 | Time: 1230
Weather/Temp: CLEAR, 10 MPH 75F
Field Technician: SS JM

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 2.33
Port Interval: 95-105 | Port Depth to Water (ft bgs): 3.19

Purge Information

Purge Pressure (PSI): 58 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	~~25~~	
Start Time:	1245	1310	1338	1403	
Temperature (°C):	21.69	19.78	20.17	20.54	
pH (Standard Units):	7.64	7.90	7.98	7.98	
Conductivity (mS/cm):	0.453	0.459	0.475	0.473	
Dissolved Oxygen (mg/L):	3.08	2.74	4.10	4.05	
ORP (mV):	-145	-149	-101	-111	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1248	1313	1341	1406	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	3	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.08
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 40 | Volume Discarded (L): 0.25
Start Time: 1128 | End Time: 1434
Sample ID: 4LTM03-MW26-1-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	(Metals (500 mL HDPE))	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCB Arochlor (1 L amber))	

Notes

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site

Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW26 | Port Number: 2

Background Information

Date: 06/06/19 | Time: 1230

Weather/Temp: OVERCAST, W 10 mph, 75

Field Technician: SGS / MAKA

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 2.33

Port Interval: 175-185 | Port Depth to Water (ft bgs): 13.91

Purge Information

Purge Pressure (PSI): 58 | Purge Volume (L):

Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	25	
Start Time:	1245	1310	1338	1403	
Temperature (°C):	18.77	17.63	18.61	19.18	
pH (Standard Units):	7.58	7.67	7.90	7.86	
Conductivity (mS/cm):	0.443	0.423	0.414	0.429	
Dissolved Oxygen (mg/L):	2.32	2.24	2.29	2.16	
ORP (mV):	-167	-167	-133	-25	
Turbidity (NTU):	0.1	7.0	13.9	5.1	
Stop Time:	1248	1313	1341	1406	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	3	1	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.08

Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21222

Sample Collection Information

Sample Pressure (psi): 41 | Volume Discarded (L): 0.25

Start Time: 1428 | End Time: 1430

Sample ID: LTM03-MW26-2-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW26 | Port Number: 3

Background Information

Date: 06 06 19 | Time: 1230
Weather/Temp: OVERCAST, N 10 mph 75F
Field Technician: SGS J MARRA

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 2.33
Port Interval: 255-265 | Port Depth to Water (ft bgs): 5.94

Purge Information

Purge Pressure (PSI): 58 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	~~25~~	~~25~~	
Start Time:	1215	1310	1338	1403	
Temperature (°C):	17.89	17.44	17.90	18.42	
pH (Standard Units):	7.50	7.56	7.82	7.79	
Conductivity (mS/cm):	0.377	0.376	0.373	0.370	
Dissolved Oxygen (mg/L):	8.84	3.00	0.97	0.99	
ORP (mV):	-175	-177	-165	-32	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1248	1313	1341	1406	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	3	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.08
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 41 | Volume Discarded (L): 0.25
Start Time: 1428 | End Time: 1430
Sample ID: LTM03-MW26-3-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW26 | Port Number: 4

Background Information

Date: 06/06/19 | Time: 1230
Weather/Temp: OVERCAST, W10 mph 75F
Field Technician: SGS + MARIA

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 2.33
Port Interval: 305 - 320 | Port Depth to Water (ft bgs): 7.14

Purge Information

Purge Pressure (PSI): 58 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	22	22	
Start Time:	1245	1318	1338	1403	
Temperature (°C):	18.25	16.97	17.31	1858	
pH (Standard Units):	7.32	7.56	7.64	7.67	
Conductivity (mS/cm):	0.352	0.381	0.367	0.357	
Dissolved Oxygen (mg/L):	0.64	9.30	3.09	3.40	
ORP (mV):	-100	-188	-119	-27	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1248	1313	1341	1406	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	~ 3	2	2	2	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.3
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 41 | Volume Discarded (L): 0.25
Start Time: 1421 | End Time: 1430
Sample ID: LTM03-MW23-4-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)		
(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW26 | Port Number: 5

Background Information

Date: 06 06 19 | Time: 1230
Weather/Temp: OVERCAST WIND 4mph, 75F
Field Technician: SGS JMARAN

Port Information

Well Installation Date: N/A | Well Depth to Water (ft bgs): 2.33
Port Interval: 385-395 | Port Depth to Water (ft bgs): 6.84

Purge Information

Purge Pressure (PSI): 58 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	~~25~~	~~22~~	
Start Time:	1245	1310	1338	1403	
Temperature (°C):	17.43	16.82	16.91	17.63	
pH (Standard Units):	7.21	7.45	7.55	7.60	
Conductivity (mS/cm):	0.471	0486	0.491	0.482	
Dissolved Oxygen (mg/L):	2.99	1.42	2.24	2.53	
ORP (mV):	-172	-183	-187	-19	
Turbidity (NTU):	0.1	0.0	0.0	0.0	
Stop Time:	1308	1313	1341	1406	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	3	2.5	2.5	2.5	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): ~~SS 0.08~~ 0.08
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21277

Sample Collection Information

Sample Pressure (psi): 41 | Volume Discarded (L): 0.25
Start Time: 1428 | End Time: 1430
Sample ID: LTM03-MW26-5-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well:	MW26	Port Number:	6

Background Information

Date: 06/06/19 Time: 1230
Weather/Temp: OVERCAST, W 10 mph, 75 F
Field Technician: SGS JMARRA

Port Information

Well Installation Date: N/A Well Depth to Water (ft bgs): 2.33
Port Interval: 455 - 465 Port Depth to Water (ft bgs): 5.59

Purge Information

Purge Pressure (PSI): 58 Purge Volume (L):
Suggested Number of Purges: 1 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		22	25	25	
Start Time:	1245	1310	1338	1403	
Temperature (°C):	17.19	16.81	16.74	17.51	
pH (Standard Units):	7.48	7.48	7.49	7.49	
Conductivity (mS/cm):	0.568	0.573	0.577	0.576	
Dissolved Oxygen (mg/L):	1.27	3.61	4.02	4.11	
ORP (mV):	-164	-172	-91	-12	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1248	1313	1341	1403	
Total Purge Time:	3	3	3	3	
Volume Purged (L):	3	2.5	2.5	2.5	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.10
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 41 Volume Discarded (L): 0.25
Start Time: 1428 End Time: 1434
Sample ID: LTM19-MW26-6-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	(PCB Arochlor (1 L amber))	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW-27 | Port Number: 1

Background Information

Date: 6-7-19 | Time: 1100
Weather/Temp: sunny / cloudy, 70s
Field Technician: JM, GR

Port Information

Well Installation Date: >2009 | Well Depth to Water (ft bgs): 2.05
Port Interval: 85/95 | Port Depth to Water (ft bgs): 8.38

Purge Information

Purge Pressure (PSI): 58 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1110	1135	1200	1225	
Temperature (°C):	19.11	19.25	19.56	19.87	
pH (Standard Units):	7.11	7.05	7.37	7.36	
Conductivity (mS/cm):	0.385	0.357	0.353	0.377	
Dissolved Oxygen (mg/L):	0.50	3.00	9.17	0.00	
ORP (mV):	-225	-224	-148	45	
Turbidity (NTU):	0.0	0.0	10.0	0.0	
Stop Time:	1115	1138	1203	1228	
Total Purge Time:	5	3	3	3	
Volume Purged (L):	4	3	3	3	
Odor Observation:	petroleum smell	petroleum odor	petroleum odor	petroleum odor	
Visual Observation:	slightly ~~Red~~ Brown	slightly Brown	slightly brown	None	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U52 / UWHTANNW

Sample Collection Information

Sample Pressure (psi): 40 | Volume Discarded (L): ~~2.2~~ 1.8
Start Time: 1250 | End Time: 1255
Sample ID: LTM03-MW27-1-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW27	Port Number	2

Background Information

Date: 6-7-19 Time: 1100
Weather/Temp: sunny | cloudy, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: >2009 Well Depth to Water (ft bgs): 2.05
Port Interval: 180 | 190 Port Depth to Water (ft bgs): 5.98

Purge Information

Purge Pressure (PSI): 58 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1110	1135	1200	1225	
Temperature (°C):	18.34	17.62	19.70	18.03	
pH (Standard Units):	7.09	7.02	7.17	7.14	
Conductivity (mS/cm):	0.393	0.397	0.387	0.401	
Dissolved Oxygen (mg/L):	0.00	0.00	0.00	0.00	
ORP (mV):	-188	-201	-141	43	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1115	1139	1204	1229	
Total Purge Time:	5	4	4	4	
Volume Purged (L):	4	3	3	3	
Odor Observation	petroleum odor	petroleum odor	petroleum odor	petroleum odor	
Visual Observation	None	None	None	None	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U52 / UWTANNW

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 1.8
Start Time: 1256 End Time: 1255
Sample ID: UTM03-MW27-2-GW QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOC's (40 mL vial))	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
ask: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW27	Port Number: 3

Background Information

Date: 6-7-19 Time: 1100
Weather/Temp: Sunny / cloudy, 70's
Field Technician: JM, GR

Port Information

Well Installation Date: >2009 Well Depth to Water (ft bgs): 2.05
Port Interval: 225/235 Port Depth to Water (ft bgs): 5.79

Purge Information

Purge Pressure (PSI): 58 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1110	1135	1200	1225	
Temperature (°C):	17.08	17.07	18.45	17.36	
pH (Standard Units):	7.09	6.99	7.19	7.23	
Conductivity (mS/cm):	0.255	0.269	0.260	0.264	
Dissolved Oxygen (mg/L):	0.00	0.00	8.30	0.00	
ORP (mV):	-215	-199	-109	38	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1115	1139	1204	1229	
Total Purge Time:	5	4	4	4	
Volume Purged (L):	4	3.25	3	3.2	
Odor Observation:	petroleum odor	Petroleum odor	petroleum odor	Petroleum odor	
Visual Observation:	NONE	NONE	NONE	none	

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U52 / VWHTANNW

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 1.8
Start Time: 1250 End Time: 1255
Sample ID: LTM00-MW27-3-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well	MW27	Port Number:	4

Background Information

Date: 6-7-19 Time: 1100
Weather/Temp: Sunny / Cloudy
Field Technician: JM, GR

Port Information

Well Installation Date: 72009 Well Depth to Water (ft bgs): 2.08
Port Interval: 370/380 Port Depth to Water (ft bgs): 4.70

Purge Information

Purge Pressure (PSI): 58 Purge Volume (L):
Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1110	1135	1200	1226	
Temperature (°C):	17.00	17.15	17.69	17.41	
pH (Standard Units):	6.99	7.09	7.27	7.22	
Conductivity (mS/cm):	0.348	0.364	0.355	0.356	
Dissolved Oxygen (mg/L):	0.00	8.40	8.55	2.22	
ORP (mV):	-201	-158	-65	48	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1116	1140	1204	1229	
Total Purge Time:	6	5	4	4	
Volume Purged (L):	4.5	4	4	4	
Odor Observation:	petroleum odor	petroleum odor	petroleum odor	petroleum odor	
Visual Observation:	None	None	None		

Average Recovery Rate (L/MIN): 0.15
Water Quality Meter Make/Model/Serial#: Horiba / U52 / UWHTANNW

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 1.8
Start Time: 1250 End Time: 1255
Sample ID: LTMM-MW27-4-SN QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG

Project: Cornell-Dubilier Electronics Superfund Site

Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: MW 27	Port Number 5

Background Information

Date: 6-7-19 Time: 1100

Weather/Temp: sunny/clear, 70's

Field Technician: JM, GR

Port Information

Well Installation Date: > 2009 Well Depth to Water (ft bgs): 2.05

Port Interval: 460/470 Port Depth to Water (ft bgs): 4.5

Purge Information

Purge Pressure (PSI): 58 Purge Volume (L):

Suggested Number of Purges: 4 Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		20	20	20	
Start Time:	1110	1135	1200	1225	
Temperature (°C):	17.25	17.55	17.68	17.49	
pH (Standard Units):	6.91	7.05	7.15	7.13	
Conductivity (mS/cm):	0.353	0.362	0.356	0.358	
Dissolved Oxygen (mg/L):	0.00	0.90	2.45	2.40	
ORP (mV):	-212	-189	-12	59	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1116	1140	1205	1230	
Total Purge Time:	6	5	5	5	
Volume Purged (L):	4.5	4	4	4	
Odor Observation:	Petroleum odor	petroleum odor	petroleum odor	petroleum odor	
Visual Observation:	None	None	None	None	

Average Recovery Rate (L/MIN): 0.15

Water Quality Meter Make/Model/Serial#: Horiba/U52/UWHTANNW

Sample Collection Information

Sample Pressure (psi): 40 Volume Discarded (L): 1.6

Start Time: 1250 End Time: 1255

Sample ID: UTM03-MW27-5-519 QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: FPW | Port Number: 1

Background Information

Date: 061119 | Time: 1540
Weather/Temp: CLEAR, W 10 gr 75P
Field Technician: JM/GR

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 0.95
Port Interval: 31-41 | Port Depth to Water (ft bgs): 9.71

Purge Information

Purge Pressure (PSI): 54 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		16	16	16	
Start Time:	1600	1619	1639	1713	
Temperature (°C):	23.25	19.73		19.55	
pH (Standard Units):	7.60	7.06		7.58	
Conductivity (mS/cm):	0.705	0.651	N/A	0.687	
Dissolved Oxygen (mg/L):	3.41	2.07		3.01	
ORP (mV):	11	-5		-39	
Turbidity (NTU):	0.0	0.0		0.0	
Stop Time:	1603	1623	1642	1716	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3	3.5	3.25	3	
Odor Observation:	N	N	water cup was	N	
Visual Observation:	N	N	spilled	N	

Average Recovery Rate (L/MIN): 0.2
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1845
Sample ID: LTM03-FDW-1-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial) | Metals (500 mL HDPE) | PCB Congeners (1 L amber)
SVOCs 1 L amber) | Pesticides (1 L amber) | Dioxins/Furans (1 L amber)
PCD Arochlor (1 L amber)

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: FPW | Port Number: 2

Background Information

Date: 06/19 | Time: 1540
Weather/Temp: CLEAR W 10 mL 75 F
Field Technician: JM/GR

Port Information

Well Installation Date: 2 10/09 | Well Depth to Water (ft bgs): 0.98
Port Interval: 46-51 | Port Depth to Water (ft bgs): 8.57

Purge Information

Purge Pressure (PSI): 54 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	✓	16	16	16	
Start Time:	1600	1619	1639	1713	
Temperature (°C):	21.16	18.94	19.20	19.99	
pH (Standard Units):	7.41	7.11	7.09	7.27	
Conductivity (mS/cm):	0.7[illegible]	0.825	0.836	0.834	
Dissolved Oxygen (mg/L):	2.74	1.08	5.25	1.39	
ORP (mV):	11	-30	5	-32	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1603	1623	1642	1716	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.75	3.25	3.25	3	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.2
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1815
Sample ID: LTM03-FPW-2-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCB Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: FPW | Port Number: 3

Background Information

Date: 061119 | Time: 1540
Weather/Temp: CLEAR, W 10mph, 75F
Field Technician: JM / GR

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 0.98
Port Interval: 100-110 | Port Depth to Water (ft bgs): 8.42

Purge Information

Purge Pressure (PSI): 54 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		16	16	16	
Start Time:	1600	1619	1639	1713	
Temperature (°C):	20.07	18.66	19.32	18.46	
pH (Standard Units):	7.27	7.17	7.19	7.31	
Conductivity (mS/cm):	0.295	0.593	0.612	0.606	
Dissolved Oxygen (mg/L):	10.55	0.50	2.11	1.67	
ORP (mV):	-49	-37	-1	-29	
Turbidity (NTU):	0.5	0.0	0.0	0.0	
Stop Time:	1603	1623	1642	1716	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.9	3	3.5	3	
Odor Observation:	NONE	N	N	N	
Visual Observation:	BROWN	BROWN	BROWN	BROWN	

Average Recovery Rate (L/MIN): 0.19
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1845
Sample ID: LTM03-FPW-B-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	~~Pesticides (1 L amber)~~	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: FPW | Port Number: 4

Background Information

Date: 06/11/19 | Time: 1540
Weather/Temp: CLEAR, W 10 mph 75F
Field Technician: JM/GR

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 6.98
Port Interval: 125-135 | Port Depth to Water (ft bgs): 6.91

Purge Information

Purge Pressure (PSI): 54 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		16	16	16	
Start Time:	1600	1619	1639	1713	
Temperature (°C):	21.16	18.45	18.44	18.56	
pH (Standard Units):	6.99	7.22	7.28	7.36	
Conductivity (mS/cm):	0.485	0.496	0.495	0.502	
Dissolved Oxygen (mg/L):	9.72	1.37	1.32	1.27	
ORP (mV):	-59	-46	-11	-24	
Turbidity (NTU):	0.6	1.0	0.0	0.0	
Stop Time:	1603	1623	1642	1716	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.5	3.5	3.5	3	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.21
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1845
Sample ID: LTM03-FPW-4-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: FPW | Port Number: 5

Background Information

Date: 06/11/19 | Time: 1540
Weather/Temp: CLEAR, WIND L, 75F
Field Technician: JM/GR

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 0.98
Port Interval: 185-190 | Port Depth to Water (ft bgs): 9.36

Purge Information

Purge Pressure (PSI): 54 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:		16	16	16	
Start Time:	1600	1619	1639	1713	
Temperature (°C):	21.06	19.08	16.50	19.01	
pH (Standard Units):	7.09	7.22	7.34	7.43	
Conductivity (mS/cm):	0.481	0.494	0.476	0.479	
Dissolved Oxygen (mg/L):	4.62	1.01	1.02	1.39	
ORP (mV):	-56	-69	-42	-44	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1603	1623	1642	1716	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.5	3.5	3.5	3	
Odor Observation:	NONE	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.21
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1845
Sample ID: LTMDS-FPW-5-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs 1 L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L amber)
	PCD Arochlor (1 L amber)	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: FP4 | Port Number: 6

Background Information

Date: 8/11/19 | Time: 1540
Weather/Temp: CLEAR, W 10 mph 75F
Field Technician: JM/GR

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 8.98
Port Interval: 200 - 205 | Port Depth to Water (ft bgs): 8.44

Purge Information

Purge Pressure (PSI): 57 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:					
Start Time:	1600	1619	1639	1713	
Temperature (°C):	4.32	17.28	16.72	16.52	
pH (Standard Units):	7.13	7.22	7.38	7.44	
Conductivity (mS/cm):	0.415	0.426	0.410	0.402	
Dissolved Oxygen (mg/L):	1.57	0.71	0.87	0.92	
ORP (mV):	-55	-69	-44	-50	
Turbidity (NTU):	145	0.0	179	58.9	
Stop Time:	1603	1623	1642	1717	
Total Purge Time:	3	4	3	4	
Volume Purged (L):	3.9	3.5	3.5	3	
Odor Observation:	NONE	NONE	NONE	NONE	
Visual Observation:	orange	brown/orange	brown/orange	orange	

Average Recovery Rate (L/MIN): 0.2
Water Quality Meter Make/Model/Serial#: HORIBA / U52 / 21277

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1845
Sample ID: LTM03-EP4-6-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

~~VOCs (40 mL vial)~~	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1 L amber)	~~Pesticides (1 L amber)~~	Dioxins/Furans (1 L amber)
	~~PCD Arochlor (1 L amber)~~	

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: FPW | Port Number: 7

Background Information

Date: 06/11/19 | Time: 1540
Weather/Temp: CLEAR, W 10 mph 75F
Field Technician:

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 8.98
Port Interval: 235-245 | Port Depth to Water (ft bgs): 9.38

Purge Information

Purge Pressure (PSI): 54 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:					
Start Time:	1600	1619	1639	1713	
Temperature (°C):	21.24	19.28		18.67	
pH (Standard Units):	7.22	7.30		7.54	
Conductivity (mS/cm):	0.424	0.427	N/A	0.426	
Dissolved Oxygen (mg/L):	1.17	0.89		1.03	
ORP (mV):	-36	-59		-41	
Turbidity (NTU):	0.0	67.9		0.0	
Stop Time:	1603	1623	1642	1716	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3.9	3.25	3.5	3	
Odor Observation:	None	N	Water Cup Lost	N	
Visual Observation:	None	N	Spilled	N	

Average Recovery Rate (L/MIN): 0.2
Water Quality Meter Make/Model/Serial#: HORIBA/U52/21227

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1815
Sample ID: LTM03-FPW-7-519 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial)) | (Metals (500 mL HDPE)) | PCB Congeners (1 L amber)
SVOCs 1 L amber) | (Pesticides (1 L amber)) | Dioxins/Furans (1 L amber)
(PCB Arochlor (1 L amber))

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
Task: OU3 Groundwater Long-Term Monitoring Round 2

Well: FPW | Port Number: 8

Background Information

Date: 06119 | Time: 1540
Weather/Temp: CLEAR, W 10 mph, 75F
Field Technician: JM/GR

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 8.98
Port Interval: 268-278 | Port Depth to Water (ft bgs): 9.42

Purge Information

Purge Pressure (PSI): 5 | Purge Volume (L):
Suggested Number of Purges: 4 | Approximate 3 or 4x Purge Volume:

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time:	<	16	16	16	
Start Time:	1600	1619	1639	1713	
Temperature (°C):	21.45	19.26	19.30	16.75	
pH (Standard Units):	7.05	7.21	7.42	7.43	
Conductivity (mS/cm):	0.492	0.497	0.490	0.496	
Dissolved Oxygen (mg/L):	1.64	1.54	1.63	0.98	
ORP (mV):	-25	-51	-32	-30	
Turbidity (NTU):	0.0	0.0	0.0	0.0	
Stop Time:	1603	1623	1642	1716	
Total Purge Time:	3	4	3	3	
Volume Purged (L):	3	3.5	3.5	3	
Odor Observation:	None	N	N	N	
Visual Observation:	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.21
Water Quality Meter Make/Model/Serial#: Horiba / U52 / 21227

Sample Collection Information

Sample Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1845
Sample ID: LTM03-FPW-8-S19 | QA/QC Sample Collected: DUPLICATE MS/MSD

Sample Analysis and Bottles (Circle)

(VOCs (40 mL vial)) | Metals (500 mL HDPE) | PCB Congeners (1 L amber)
SVOCs 1 L amber) | (Pesticides (1 L amber)) | Dioxins/Furans (1 L amber)
~~PCD Arochlor (1 L amber)~~

Notes:

WATER FLUTE PURGE LOG
Project: Cornell-Dubilier Electronics Superfund Site
task: OU3 Groundwater Long-Term Monitoring Round 3

Well: FPW | Port Number: 9

Background Information

Date: 06/19/19 | Time: 1540
Weather/Temp: CLEAR, W 10 mph 75F
Field Technician: JM/GR

Port Information

Well Installation Date: 10/09 | Well Depth to Water (ft bgs): 0.98
Port Interval (ft bgs): 300-310 | Port Depth to Water (ft bgs): 9.19

Purge Information

Purge Pressure (PSI): 34 | Purge Volume (L):
Suggested Number of purges: 4 | Approximate 3 or 4x purge volume (L):

Purge Number	Purge Volume 1	Purge Volume 2	Purge Volume 3	Purge Volume 4	Purge Volume 5
Recovery Time		16	16	16	
Start Time	1600	1619	1639	1713	
Temperature (°C)	21.73	19.87	19.67	19.50	
pH (Standard Units)	7.14	7.13	7.29	7.39	
Conductivity (mS/cm)	0.122	0.467	0.497	0.500	
Dissolved Oxygen (mg/L)	1.71	1.52	3.10	2.30	
ORP (mV)	-52	-31	-70	-14	
Turbidity (NTU)	0.0	0.0	0.0	0.0	
Stop Time	1603	1623	1642	1716	
Total Purge Time	3	4	3	3	
Volume Purged (L)	3	3.5	3.5	3	
Total Vol Purged (L)		6.5	10	13	
Odor Observations	NONE	N	N	N	
Visual Observations	NONE	N	N	N	

Average Recovery Rate (L/MIN): 0.21
Water Quality Meter Make/Model/Serial #: MORIBA / U52 / 21227

Sample Collection Information

Sampling Pressure (psi): 37 | Volume Discarded (L): 0.25
Start Time: 1745 | End Time: 1845
Sample ID: LTM03-FPW-09-S19 | QA/QC Samples Collected (circle): DUPLICATE MS/MSD Lab Rep

Sample Analysis and Bottles B17(Circle)

VOCs (40 mL vial)	Metals (500 mL HDPE)	PCB Congeners (1 L amber)
SVOCs (1-L amber)	Pesticides (1 L amber)	Dioxins/Furans (1 L Amber)
	PCB Aroclors (1 L amber)	

Notes:

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Appendix E

Investigative Waste Disposal

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Drum	Waste Classification	Drum Contents	Source (Monitoring Wells)
1	Hazardous	Purge/Decon Water	FPW, MW-03, MW-14S, MW-14D, MW-16
2	Hazardous	Purge/Decon Water	MW-02A, MW-03, MW-07, MW-09, MW-10, MW-12, MW-17
3	Hazardous	Purge/Decon Water	ERT-2, MW-01A, MW-04, MW-05, MW-06, MW-08, MW-10, MW-15S
4	Non-Hazardous	Purge/Decon Water	MW-15D, MW-25, MW-27
5	Non-Hazardous	Purge/Decon Water	ERT-4, MW-27
6	Non-Hazardous	Purge/Decon Water	ERT-7, MW-26, MW-27
7	Non-Hazardous	Purge/Decon Water	ERT-3, MW-13
8	Non-Hazardous	Purge/Decon Water	MW-19
9	Non-Hazardous	Purge/Decon Water	MW-23, MW-24
10	Non-Hazardous	Purge/Decon Water	MW-20, MW-21
11	Non-Hazardous	Purge/Decon Water	ERT-5, ERT-8, MW-18
12	Non-Hazardous	Purge/Decon Water	ERT-1, ERT-6

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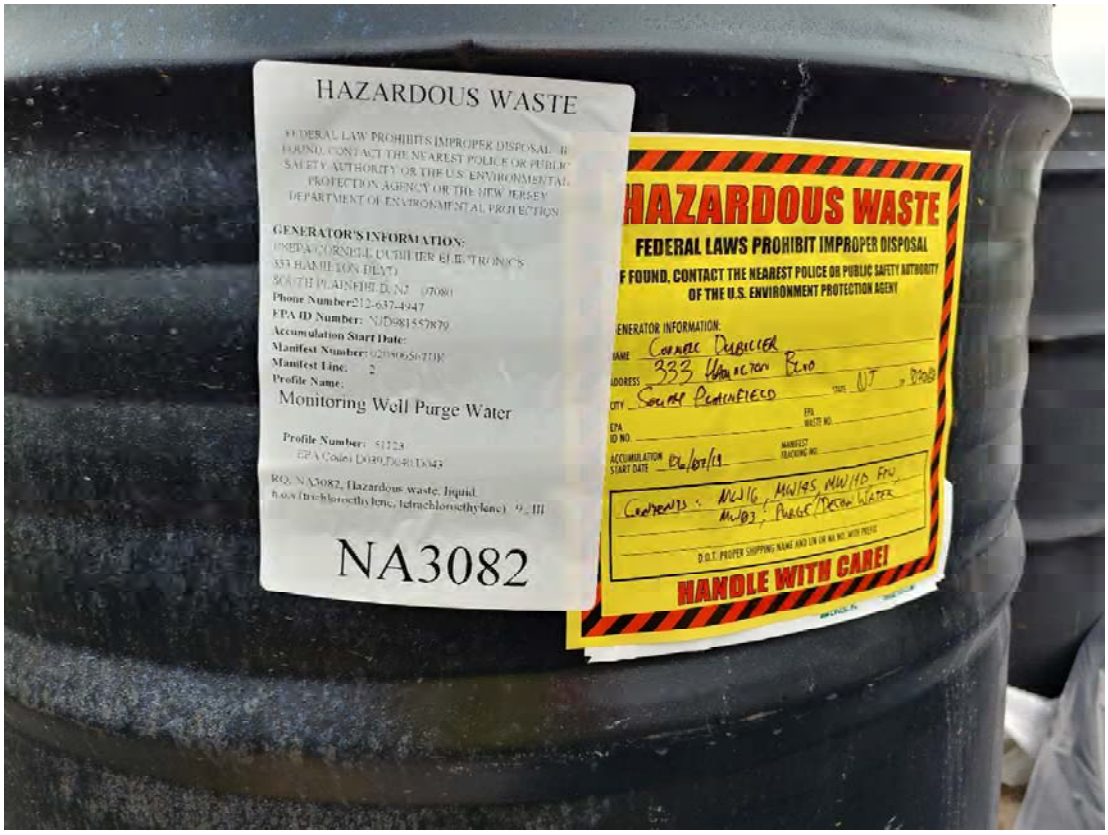
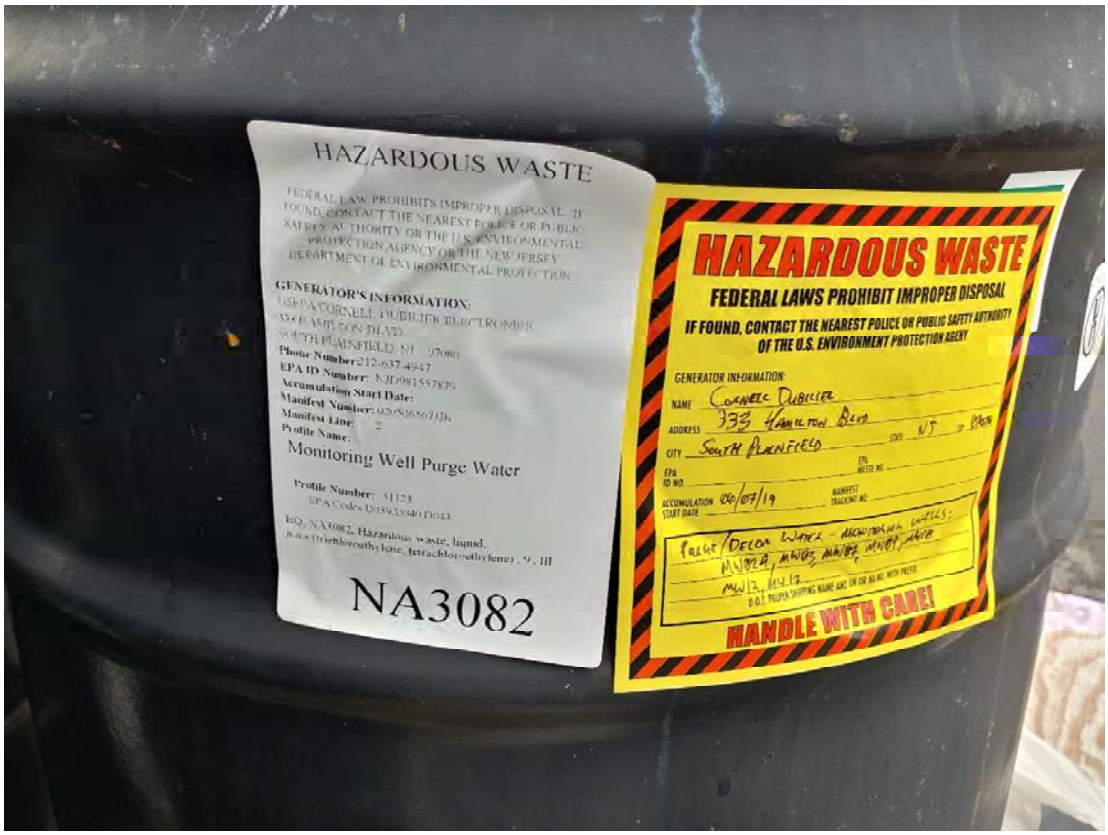
Drum Photographs

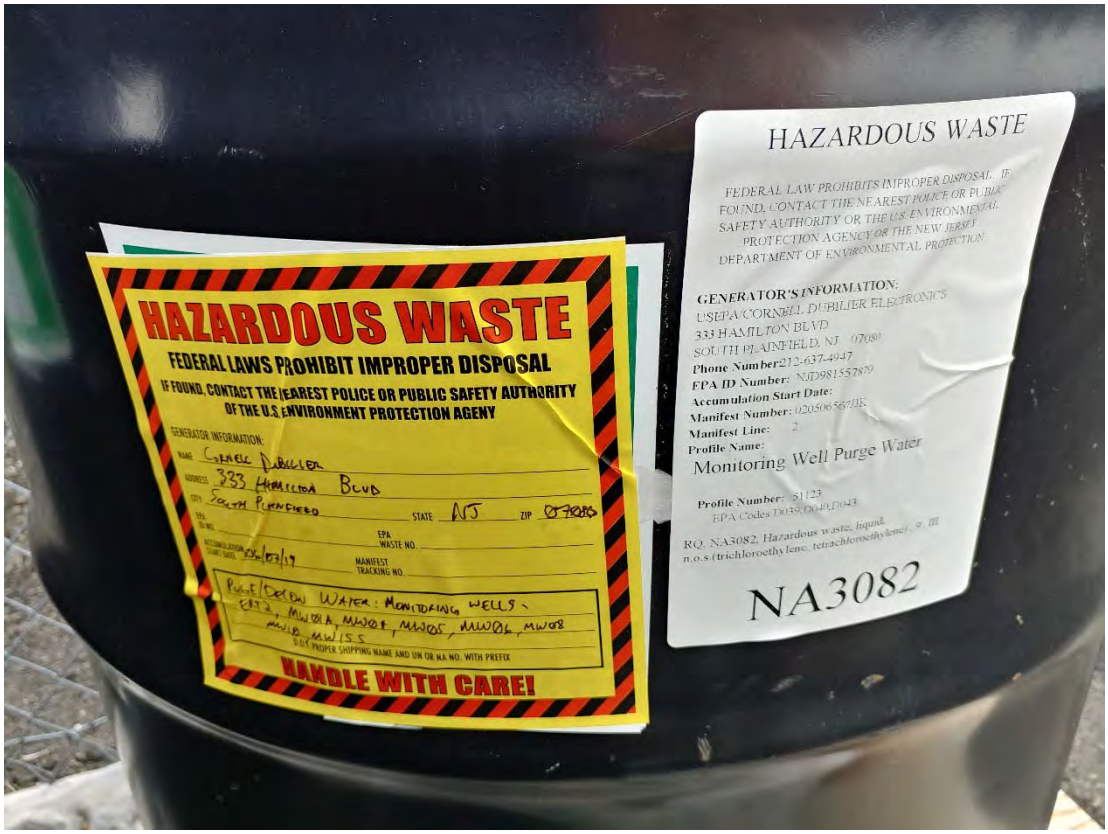


Drum 1 - FPW, MW-03, MW-14S, MW-14D, MW-16



Drum 2 - MW-02A, MW-03, MW-07, MW-09, MW-10, MW-12, MW-17

Drum Photographs



Drum 3 - ERT-2, MW-01A, MW-04, MW-05, MW-06, MW-08, MW-10, MW-15S

Drum 4 - MW-15D, MW-25, MW-27

Drum Photographs

Drum 5 – ERT-4, MW-27

Drum 6 – ERT-7, MW-26, MW-27

Drum Photographs

Drum 7 – ERT-3, MW-13

Drum 8 – MW-19

Drum Photographs

Drum 9 – MW-23, MW-24

Drum 10 – MW-20, MW-21

Drum Photographs

Drum 11 – ERT-5, ERT-8, MW-18

Drum 12 – ERT-1, ERT-6

Please print or type.

Form Approved: OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NJD981557879
2. Page 1 of 1
3. Emergency Response Phone: 908-354-0210
4. Manifest Tracking Number: 020506567 JJK

5. Generator's Name and Mailing Address
USEPA/CORNELL DUBILIER ELECTRONICS
290 BROADWAY
NEW YORK, NY 10007
Generator's Phone: 212-637-4947

Generator's Site Address (if different than mailing address)
USEPA/CORNELL DUBILIER ELECTRONICS
333 HAMILTON BLVD
SOUTH PLAINFIELD, NJ 07080

6. Transporter 1 Company Name: ALLSTATE POWER VAC, INC.
U.S. EPA ID Number: NJD003812047

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
Facility's Phone: 908-355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. RQ, NA3082, Hazardous waste, liquid, n.o.s. (tetrachloroethylene, trichloroethylene), 9, III	003	DM	150	G	D039	D040	D043
X	2. ~~RQ, NA3082, Hazardous waste, liquid, n.o.s. (trichloroethylene, tetrachloroethylene), 9, III~~ T.D 021419	~~009~~	~~DM~~	~~450~~	~~G~~	~~D039~~	~~D040~~	~~D043~~
	3. NOA DOT NON RCRA	~~009~~	~~DM~~	~~450~~	~~G~~	~~D039~~		
	4.							

14. Special Handling Instructions and Additional Information: Document D27841 Sales Order 27906 ~~12 x 515~~
1)Profile#51131 MONITORING WELL PURGE WATER DOT ERG#171 ~~2)Profile#51122 MONITORING WELL PURGE WATER DOT ERG#171~~ 3) Profile 43013 Purge water NON HAZ T.D 021419

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Patrick Nagamani On Behalf of EPA Patrick Nagamani
Signature: [signature]
Month 08 Day 14 Year 19

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Travis Doma
Signature: [signature]
Month 08 Day 14 Year 19
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141	H141		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name
Signature
Month Day Year

GENERATOR / INT'L / TRANSPORTER / DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please type or print

Straight Bill of Lading

ACV ENVIRO

1. Generator EPA ID # (if applicable)	2. Page 1 of	3. Emergency Response #	4. Document Tracking Number
NJD981557879	1	908-354-0210	ACV 045802

Generator

5. Generator Name and Mailing Address
USEPA/CORNELL DUBILIER ELECTRONICS
290 BROADWAY
NEW YORK, NY 10007
Generator Phone: 212-637-4947

Generator's Site Address (if different)
USEPA/ CORNELL DUBILIER ELECTRONICS
333 HAMILTON BLVD
SOUTH PLAINFIELD, NJ 07080
ACV Job Number:

6. Transporter 1 Company Name
ALLSTATE POWER VAC, INC.
US EPA ID Number (if applicable)
NJD000 381 2047

7. Transporter 2 Company Name
US EPA ID Number (if applicable)

8. Designated Facility Name and Mailing Address
CYCLE CHEM, INC.
217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
US EPA ID Number (if applicable)
NJD00 22000 46
8. Designated Facility Phone: 908 355 5800

9a. HM	9b. Material Description (Proper shipping name required if DOT Hazardous Material)	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit (Wt/Vol)	13. Waste Codes
	1. NON-DOT, NON RCRA MATERIAL	009	DRUM	450	GAL	D002
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
1) PROFILE 43013 - PURGE WATER - MONITORING WELL

16. Generator/Offeror's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labeled/placarded and are in all respects proper condition for transport according to applicable international and national governmental regulations.

Printed/Typed Name: STEPHEN SOLDNER/EA
Signature:
Month: 08 Day: 14 Year: 19

Transporter

17. Transporter 1 Acknowledgment of Receipt of Materials
Printed/Typed Name: TRAVIS DOMM
Signature:
Month: 08 Day: 14 Year: 19

18. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name:
Signature:
Month: Day: Year:

Facility

19. Discrepancy Indication Space (to be completed by Designated Facility)

20. Discrepancy Facility: Certification of receipt of the materials covered by this shipping paper except as noted in item 19
Printed/Typed Name:
Signature:
Month: Day: Year:

Appendix F

Field Sampling Implementation Quality Assurance/Quality Control

EA Quality Assurance Quality Control Forms 4 June 2019
EA Quality Assurance Quality Control Forms and Photo Log June 2019

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CQC DAILY FORM – Cornell-Dubilier Electronics Superfund Site

DATE: 6/4/19

CONTRACT NUMBER AND NAME OF CONTRACTOR:

EA Engineering, Science, and Technology, Inc., PBC
USACE-KCD Contract # W912DQ-16-D-3001 0004

DESCRIPTION AND LOCATION OF THE WORK:

Groundwater Long-Term Monitoring

WEATHER CLASSIFICATION:

CLASS A	No interruptions of any kind from weather conditions occurring this or previous shifts.
CLASS B	Weather occurred during this shift that caused a complete stoppage of all work.
CLASS C	Weather occurred during this shift that caused a partial stoppage of work.
CLASS D	Weather overhead excellent or suitable during shift. Work stopped due to results of previous adverse weather.
CLASS E	Weather overhead excellent or suitable during shift but work partially stopped due to previous adverse manner.
OTHER	Explain.

CLASSIFICATION:

CLASS A

TEMPERATURE:

MAX 73 - MIN 52

PRECIPITATION:

INCHES 0.0

CONTRACTOR/SUBCONTRACTORS AND AREA OF RESPONSIBILITY FOR WORK PERFORMED TODAY: (*Attach list of items of equipment either idle or working as appropriate*)

a. EA Engineering - Perform groundwater sampling

b.

c.

d.

e.

f.

g.

1. **WORK PERFORMED TODAY:** (*Indicate location and description of work performed refer to work by prime and/or subcontractors by letter in table above*)

FLUTe well sampling conducted at wells ERT-6, MW-18 and ERT-5. Samples were packed on ice and shipped to designated labs

2. **TYPE AND RESULTS OF INSPECTION:** *(Indicate whether: P = Preparatory, I = Initial, or F = Follow-up and include satisfactory work completed or deficiencies with action to be taken.)*

None

3. **TESTS REQUIRED BY PLANS AND/OR SPECIFICATIONS PERFORMED AND RESULTS OF TESTS:**

None

4. **VERBAL INSTRUCTIONS RECEIVED:** *(List any instructions given by Government personnel on construction deficiencies, retesting required, etc., with action to be taken.)*

None

5. **REMARKS:** *(Cover any conflicts in plans, specifications, or instructions: acceptability of incoming materials; offsite surveillance activities; progress of work, delays, causes, and extent thereof; days of no work with reasons for same. Note if a Preparatory or Initial Phase Meeting was held, and attach a copy of the checklist.)*

None

5. a. **REQUESTS FOR INFORMATION:** (*Note that there is an RFI attached to this daily report, assign a control number, and attach a sheet to this report which fully describes the RFI, and recommends a solution if applicable.*)

☐ RFI Attached; Control Number =

5. b. **ENVIRONMENTAL QUALITY CONTROL**
Environmental Quality Control Requirements are in place and have been checked? ☑ Yes ☐ Not Applicable
Have any endangered species been encountered? ☐ Yes ☑ No
(If Yes, attach required reports in accordance with Section ENVIRONMENTAL PROTECTION)

5. c. **VISITORS TO THE SITE:** *(List the name of all official visitors to the site and who they represent i.e., State DEP, OSHA)*

None

6. **SAFETY:** (*Include all infractions of the accident prevention plan; COE Safety and Health Requirements Manual, EM 385-1-1; or instructions from Government QA personnel.* ***Describe corrective actions taken.***)

None

Safety meeting held today? ☑ Yes, ☐ No (If Yes, state the subject and report number of personnel in attendance)

Safety meeting subject: struck by, caught between; spotters, PPE, traffic hazards

Number of Contractor personnel attending = 4 Number of subcontractor personnel attending = 0

Name of Reporting QC Inspector/s:

Signature and Date: [signature] 6/4/19

CONTRACTOR's CERTIFICATION: I certify that the above report is complete and correct and that all material and equipment used, work performed, and tests conducted during this reporting period were in compliance with the contract except as noted above.

Contractor's QC Manager/Authorized Representative

DECONTAMINATION CHECKLIST

Project Name/Number: CDE Superfund Site | 6304304

Boring/Monitoring Well Number(s): ERT-6, MW-18, ERT-5

Date: 6/4/19

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Equipment	Yes	No	N/O	N/A
1. Was all monitoring equipment decontaminated properly prior to use and between sample intervals?	☑	☐	☐	☐
2. Was each decontamination event recorded in the log book?	☑	☐	☐	☐
3. Was IDW (decontamination water) properly handled?	☑	☐	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: A Creed

Date: 6/4/19

FIELD DOCUMENTATION CHECKLIST

Project Name/Number: CDE Superfund Site / 6304304

Date: 6/4/19

Answer each question by checking the appropriate column (yes, no, or N/A). If "no" is checked, please provide an explanation on the form.

Field Documentation	**Yes**	**No**	**N/A**
1. Was all original field data, except boring logs, recorded in black indelible ink?	☑	☐	☐
2. Were log books filled out properly; accurately recounting the days events?	☑	☐	☐
3. Were all field forms completed and information accurately recorded:			
• Field Sampling/Monitoring Forms	☑	☐	☐
• Field Log Notebooks	☑	☐	☐
List additional field forms completed:			
4. Was field documentation forwarded to office for peer review and QC if requested?	☐	☐	☑
5. Were deficiencies reported to QC Manager/Project Team Manager?	☐	☐	☑

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: [signature]

Date: 6/4/19

INSTRUMENT CALIBRATION CHECKLIST

Project Name/Number: CDE Superfund Site/6304304

Date: 6/4/19

Complete daily. Answer each question by checking the appropriate column (yes, no, or N/A). If "no" is checked, provide an explanation on the form.

Instrument Calibration	**Yes**	**No**	**N/A**
1. Were all field instruments calibrated properly according to manufacturer's instructions?	☑	☐	☐
2. Were all field instruments calibrated and calibration checked on the schedule in the QAPP?	☑	☐	☐
3. Did the calibration log form(s) list all calibration events?	☑	☐	☐

List instruments used at the Site:

Horiba Water Quality meter

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: C Cuell

Date: 6/4/19

PACKING, STORING, AND SHIPMENT OF SAMPLES CHECKLIST

Project Name/Number: CDE Superfund Site / 6304304

Sampling Date: 6/4/19

Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

Packing, Storing, and Shipment of Samples	**Yes**	**No**	**N/O**	**N/A**
1. Were the samples handled according to the QAPP?	☑	☐	☐	☐
2. Did the samples remain on ice or refrigerated (except for sample transfer from coolers or refrigerators) from collection until cooler was taped for shipment?	☑	☐	☐	☐
3. Were COC forms filled out accurately and completely including project name and number, sampling date, sampling time, analytical parameters, preservatives, size and number of containers for each analytical parameter, and media sampled?	☑	☐	☐	☐
4. Were COC forms signed and dated by the preparer and the form taped to the inside of the cooler lid?	☑	☐	☐	☐
5. Were signed and dated custody seals properly placed on the cooler and the cooler sealed with strapping tape?	☑	☐	☐	☐
6. Was a shipping label attached to the cooler?	☑	☐	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature: [signature]

Date: 6/4/19

SAMPLE COLLECTION CHECKLIST

Project Name/Number: CDE Superfund Site / 6304304

Sampling Date: 6/4/19

Complete for each sampling location. Answer each question by checking the appropriate column (yes, no, not observed (N/O) or N/A). If "no" is checked, provide an explanation on the form.

General	Yes	No	N/O	N/A
1. Were new protective gloves worn between sampling locations and/or intervals?	☑	☐	☐	☐
2. Were samples collected using methods described in the QAPP?	☑	☐	☐	☐
3. Were sample containers filled in the correct order?	☑	☐	☐	☐
4. Was sampling equipment appropriate for the purpose and site conditions?	☑	☐	☐	☐
5. Was sampling equipment decontaminated or disposable/dedicated equipment used between each sample?	☑	☐	☐	☐
6. Were procedures for collecting QA/QC samples followed as per the QAPP?	☑	☐	☐	☐
7. Were sampling locations properly identified by land survey?	☑	☐	☐	☐
8. Were bottles adequately protected from contamination prior to sample collection?	☑	☐	☐	☐
9. Were ground water parameters stable before sample collection (as per QAPP)?	☑	☐	☐	☐
10. Were turbidity readings below 50 NTU (or if all other field parameters are stable and turbidity cannot be lowered below 50 NTU, were turbidity readings within + or – 10% over three, five-minute readings)?	☑	☐	☐	☐
11. Was a field sampling form completed?	☑	☐	☐	☐
12. Were the analytical parameters and QA/QC samples recorded on the field sampling form?	☑	☐	☐	☐
13. Was head space in sample containers for volatiles eliminated?	☑	☐	☐	☐
14. Were trip blanks labeled and sent with samples as designated in the QAPP?	☑	☐	☐	☐

The QC Inspector shall sign this checklist upon completion of all items on the checklist.

QC Inspector Signature:

Date: 6/4/19

QUALITY CONTROL
HEALTH AND SAFETY CHECKLIST

Date:	6/4/19
Project Name/Number:	CDE Superfund Site / 6304304
Site:	CDE Superfund Site
Personnel Observed and Locations:	EA Engineering - ERT-6,

Answer each question by checking the appropriate column (yes, no, or N/A). If "no" is checked, provide an explanation on the form.

Preparatory	**Yes**	**No**	**N/A**
1. Has the Accident Prevention Plan (APP)/Site Safety and Health and Plan (SSHP) been reviewed and approved?	☑	☐	☐
2. Did new employees receive Safety Indoctrination Training?	☑	☐	☐
3. Was a test of cellular phone coverage across the entire work area conducted prior to mobilization?	☐	☐	☑
4. Was the medical facility contacted prior to field work to inform them of project activities, schedule, type of work, and anticipated potential injury types?	☐	☐	☑
5. Were the local fire and police departments contacted prior to field work to inform them of project activities?	☐	☐	☑
6. Did all employees attend a pre-entry briefing?	☑	☐	☐
7. Has all monitoring equipment been purchased/rented and calibrated?	☑	☐	☐
Initial	**Yes**	**No**	**N/A**
8. Are work zones properly and adequately designated?	☑	☐	☐
9. Is required personal protective equipment available and correctly used, maintained, and stored?	☑	☐	☐
10. Is the following emergency equipment located onsite:	☐	☐	☐
• Fire extinguisher?	☑	☐	☐
• Eye wash?	☑	☐	☐
• Communications (phone)?	☑	☐	☐
• First aid kit?	☑	☐	☐

11. Is the buddy system in use?	☑	☐	☐
12. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐
13. Was the initial safety inspection completed?	☑	☐	☐
14. Was a random employee asked if he/she know site hazard and emergency procedures?	☑	☐	☐
Follow-Up	**Yes**	**No**	**N/A**
15. Are daily safety inspections being completed?	☑	☐	☐
16. Are safety deficiencies being tracked and corrective actions being applied to the site?	☑	☐	☐
17. Is monitoring equipment being calibrated on a daily basis?	☑	☐	☐
18. Are any mishaps being properly investigated and reported?	☐	☐	☑
19. Are personnel refraining from drinking, chewing, smoking, taking medications, or other hand-to-mouth contact while working in the exclusion zone?	☑	☐	☐
20. Is site sanitation and housekeeping being maintained on a daily basis?	☑	☐	☐
21. Is the site organized to avoid tripping hazards and spreading contamination?	☑	☐	☐
22. Is the chemical inventory being updated as needed?	☑	☐	☐
Documentation	**Yes**	**No**	**N/A**
23. Is the Accident Prevention Plan (APP)/Site Safety and Health and Plan (SSHP) on the site?	☑	☐	☐
24. Has the APP/SSHP and associated AHAs been reviewed, dated, and signed within the last year?	☑	☐	☐
25. Are the tasks being completed reflected in the APP/SSHP and associated AHAs?	☑	☐	☐
26. Is there a written acknowledgement that all employees have been briefed on and read the APP/SSHP (signature sheet)?	☑	☐	☐
27. Are the following training records current and available:			
• 40-hour HAZWOPER?	☑	☐	☐
• 24 Hours Supervised Field experience?	☑	☐	☐
• 8-hour HAZWOPER Annual Refresher?	☑	☐	☐
• CPR/First Aid (minimum two people onsite)?	☑	☐	☐

• 8-Hour Hazardous Waste Site Supervisor?	☑	☐	☐
• Initial Site Health and Safety Briefing?	☑	☐	☐
28. Are emergency maps maintained in site support vehicles?	☑	☐	☐
29. Are documents current and available that indicate personnel are medically fit to work and wear the required personal protective equipment (if required)?	☑	☐	☐

The Quality Control Inspector shall sign this checklist upon completion of all items on the checklist.

J. Snell 6/4/19

Quality Control Inspector Signature Date

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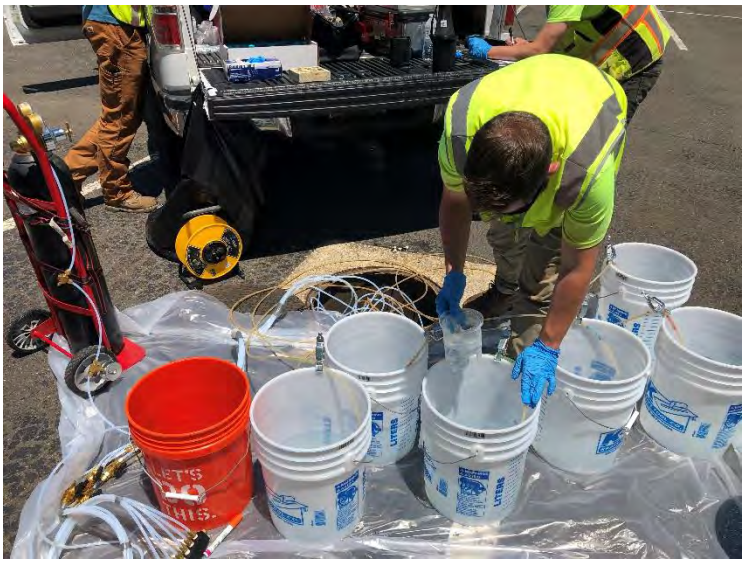
Long-Term Monitoring Activities Photo Log June 2019

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	1 ERT-6 4 June 2019 FLUTe well purging
	Photo: Location: Date:	2 ERT-5 4 June 2019 FLUTe well purging

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	3 ERT-5 4 June 2019 FLUTe well purging
	Photo: Location: Date:	4 ERT-5 4 June 2019 FLUTe well purging

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	5 ERT-5 4 June 2019 FLUTe well sample collection preparation
	Photo: Location: Date:	6 ERT-5 4 June 2019 FLUTe well sample collection preparation

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	7 ERT-5 4 June 2019 FLUTe well sample collection
	Photo: Location: Date:	8 ERT-5 4 June 2019 FLUTe well sample collection, temporary labels on bottles prior to adding final Scribe labels

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	9 ERT-6 4 June 2019 FLUTe well purging setup
	Photo: Location: Date:	10 MW-24 5 June 2019 FLUTe well purging setup

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	11 MW-24 5 June 2019 FLUTe well purging setup
	Photo: Location: Date:	12 MW-24 5 June 2019 FLUTe well purging setup

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	13 MW-24 5 June 2019 FLUTe well sampling setup
	Photo: Location: Date:	14 MW-19 5 June 2019 FLUTe well sampling

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	15 MW-23 5 June 2019 FLUTe well purging and recording water quality data
	Photo: Location: Date:	16 MW-03 10 June 2019 Flooding at MW-03

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	17 MW-03 10 June 2019 Flooding at MW-03
	Photo: Location: Date:	18 MW-03 10 June 2019 Flooding at MW-03

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	19 MW-04 11 June 2019 MW-04 within construction area
	Photo: Location: Date:	20 MW-04 11 June 2019 MW-04 within construction area, purging setup

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	21 MW-16 11 June 2019 Flushmount well vault
	Photo: Location: Date:	22 MW16 11 June 2019 MW-16 purging setup

	Photo: Location: Date:	23 MW16 11 June 2019 MW-16 purging and sampling setup

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	24 FWP 11 June 2019 FWP setup within construction area

	Photo: Location: Date:	25 FWP 11 June 2019 FWP setup within construction area
	Photo: Location: Date:	26 MW-14S 12 June 2019 MW-14S purging setup

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	27 MW-14D 12 June 2019 MW-14D purging setup
	Photo: Location: Date:	28 MW-14S/D 12 June 2019 MW-14S/D purging setup

PHOTOGRAPH	DESCRIPTION	
	Photo: Location: Date:	29 MW-14S 12 June 2019 MW-14S sampling
	Photo: Location: Date:	30 MW-14S port 4 12 June 2019 MW14S port 4 DNAPL

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Appendix G

Laboratory Analytical Reports and Data Validation Reports

G.1 Spring 2019 Chemtech Laboratory Analytical Report and Data Validation
G.2 Spring 2019 Shealy Environmental Services Laboratory Analytical Reports and Data Validation
G.3 Spring 2019 Cape Fear Analytical Laboratory Analytical Report and Data Validation

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G1

ChemTech Consulting Group

Laboratory Analytical Reports

1. MBE5A9 Analytical Report (FD060519-3, MW24-1, MW15S-1, MW15S-2, MW15D-1, MW15D-2, MW-03, MW-03, MW-04, MW-05, FB061119, MW16-4, MW16-5, MW16-6, MW16-7, FD061119, MW-06, MW-12, FWP-7, FWP-9)

2. MBE5A9 Data Validation Report

3. ME5N9 Analytical Report (MW-07, ERT2-1, ERT2-2, MW17-3, MW14S-2, MW14S-3, FB061219)

4. MBE5N9 Data Validation Report

5. MBE578 Analytical Report (MW19-2, MW19-2, MW19-5, MW13-3, MW13-4, MW22-4, ERT7-3, ERT7-5, MW26-1, MW23-6, FB060619, MW21-1, MW21-2, MW21-3, MW21-4, MW21-5, MW21-6, MW21-7, MW21-8, FB06072019)

6. MBE578 Data Validation Report

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Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS836	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	45.2		ug/L	45.2		1.0	YES	S3VEM
Antimony	Spike	3.9		ug/L	3.9		1.0	YES	S3VEM
Arsenic	Spike	1.9		ug/L	1.9		1.0	YES	S3VEM
Barium	Spike	20.5		ug/L	20.5		1.0	YES	S3VEM
Beryllium	Spike	1.9		ug/L	1.9		1.0	YES	S3VEM
Cadmium	Spike	2.1		ug/L	2.1		1.0	YES	S3VEM
Calcium	Spike	974		ug/L	974		1.0	YES	S3VEM
Chromium	Spike	4.0		ug/L	4.0		1.0	YES	S3VEM
Cobalt	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Copper	Spike	4.1		ug/L	4.1		1.0	YES	S3VEM
Iron	Spike	493		ug/L	493		1.0	YES	S3VEM
Lead	Spike	1.9		ug/L	1.9		1.0	YES	S3VEM
Magnesium	Spike	1060		ug/L	1060		1.0	YES	S3VEM
Manganese	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Nickel	Spike	2.2		ug/L	2.2		1.0	YES	S3VEM
Potassium	Spike	1010		ug/L	1010		1.0	YES	S3VEM
Selenium	Spike	11.4		ug/L	11.4		1.0	YES	S3VEM
Silver	Spike	2.3		ug/L	2.3		1.0	YES	S3VEM
Sodium	Spike	1000		ug/L	1000		1.0	YES	S3VEM
Thallium	Spike	1.8		ug/L	1.8		1.0	YES	S3VEM
Vanadium	Spike	10.2		ug/L	10.2		1.0	YES	S3VEM
Zinc	Spike	4.4		ug/L	4.4		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5A9	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: FD060519-3	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	6.0	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Arsenic	Target	2.9		ug/L	2.9		1.0	YES	S3VEM
Barium	Target	158		ug/L	158		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	55800		ug/L	55800		1.0	YES	S3VEM
Chromium	Target	0.050	J	ug/L	0.050	J	1.0	YES	S3VEM
Cobalt	Target	0.070	J	ug/L	0.070	J	1.0	YES	S3VEM
Copper	Target	10.1		ug/L	10.1		1.0	YES	S3VEM
Iron	Target	206		ug/L	206		1.0	YES	S3VEM
Lead	Target	6.3		ug/L	6.3		1.0	YES	S3VEM
Magnesium	Target	20300		ug/L	20300		1.0	YES	S3VEM
Manganese	Target	7.9		ug/L	7.9		1.0	YES	S3VEM
Nickel	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
Potassium	Target	1420		ug/L	1420		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.14	J	1.0	YES	S3VEM
Sodium	Target	12700		ug/L	12700		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Vanadium	Target	7.0		ug/L	7.0		1.0	YES	S3VEM
Zinc	Target	41.2		ug/L	41.2		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5B0	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW24-1-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	5.4	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Arsenic	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
Barium	Target	68.2		ug/L	68.2		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	52200		ug/L	52200		1.0	YES	S3VEM
Chromium	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Cobalt	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.4	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	186	J	1.0	YES	S3VEM
Lead	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
Magnesium	Target	25600		ug/L	25600		1.0	YES	S3VEM
Manganese	Target	38.4		ug/L	38.4		1.0	YES	S3VEM
Nickel	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM
Potassium	Target	1980		ug/L	1980		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Sodium	Target	16000		ug/L	16000		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	0.10	J	1.0	YES	S3VEM
Vanadium	Target	10.6		ug/L	10.6		1.0	YES	S3VEM
Zinc	Target	49.7		ug/L	49.7		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5J9	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW15S-1-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	3.5	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	0.84	J	1.0	YES	S3VEM
Barium	Target	925		ug/L	925		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	182000		ug/L	182000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
Copper	Target	4.9		ug/L	4.9		1.0	YES	S3VEM
Iron	Target	614		ug/L	614		1.0	YES	S3VEM
Lead	Target	3.8		ug/L	3.8		1.0	YES	S3VEM
Magnesium	Target	19400		ug/L	19400		1.0	YES	S3VEM
Manganese	Target	11.1		ug/L	11.1		1.0	YES	S3VEM
Nickel	Target	0.33	J	ug/L	0.33	J	1.0	YES	S3VEM
Potassium	Target	1610		ug/L	1610		1.0	YES	S3VEM
Selenium	Target	1.4	J	ug/L	1.4	J*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.15	J	1.0	YES	S3VEM
Sodium	Target	18600		ug/L	18600		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	4.1	J	ug/L	4.1	J	1.0	YES	S3VEM
Zinc	Target	15.1		ug/L	15.1		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5K0	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW15S-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	3.8	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Arsenic	Target	3.3		ug/L	3.3		1.0	YES	S3VEM
Barium	Target	221		ug/L	221		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	65800		ug/L	65800		1.0	YES	S3VEM
Chromium	Target	2.5		ug/L	2.5		1.0	YES	S3VEM
Cobalt	Target	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Copper	Target	4.1		ug/L	4.1		1.0	YES	S3VEM
Iron	Target	221		ug/L	221		1.0	YES	S3VEM
Lead	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
Magnesium	Target	23700		ug/L	23700		1.0	YES	S3VEM
Manganese	Target	4.8		ug/L	4.8		1.0	YES	S3VEM
Nickel	Target	0.090	J	ug/L	0.090	J	1.0	YES	S3VEM
Potassium	Target	1500		ug/L	1500		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.12	J	1.0	YES	S3VEM
Sodium	Target	13900		ug/L	13900		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	4.8	J	ug/L	4.8	J	1.0	YES	S3VEM
Zinc	Target	36.4		ug/L	36.4		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5K1	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW15D-1-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	3.8	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.10	J	1.0	YES	S3VEM
Arsenic	Target	2.8		ug/L	2.8		1.0	YES	S3VEM
Barium	Target	63.9		ug/L	63.9		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	55300		ug/L	55300		1.0	YES	S3VEM
Chromium	Target	1.3	J	ug/L	1.3	J	1.0	YES	S3VEM
Cobalt	Target	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.4	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	196	J	1.0	YES	S3VEM
Lead	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Magnesium	Target	23900		ug/L	23900		1.0	YES	S3VEM
Manganese	Target	0.94	J	ug/L	0.94	J	1.0	YES	S3VEM
Nickel	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
Potassium	Target	1680		ug/L	1680		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Sodium	Target	15500		ug/L	15500		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	7.6		ug/L	7.6		1.0	YES	S3VEM
Zinc	Target	20.5		ug/L	20.5		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5K2	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW15D-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	3.1	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Arsenic	Target	2.6		ug/L	2.6		1.0	YES	S3VEM
Barium	Target	46.8		ug/L	46.8		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	56200		ug/L	56200		1.0	YES	S3VEM
Chromium	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
Cobalt	Target	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.1	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	188	J	1.0	YES	S3VEM
Lead	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
Magnesium	Target	25400		ug/L	25400		1.0	YES	S3VEM
Manganese	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
Nickel	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
Potassium	Target	1680		ug/L	1680		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.090	J	1.0	YES	S3VEM
Sodium	Target	15400		ug/L	15400		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	6.9		ug/L	6.9		1.0	YES	S3VEM
Zinc	Target	19.6		ug/L	19.6		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5K3	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW03-SH-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:11:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	309		ug/L	309		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.16	J	1.0	YES	S3VEM
Arsenic	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
Barium	Target	147		ug/L	147		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Cadmium	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM
Calcium	Target	112000		ug/L	112000		1.0	YES	S3VEM
Chromium	Target	0.91	J	ug/L	0.91	J	1.0	YES	S3VEM
Cobalt	Target	0.65	J	ug/L	0.65	J	1.0	YES	S3VEM
Copper	Target	2.9		ug/L	2.9		1.0	YES	S3VEM
Iron	Target	1670		ug/L	1670		1.0	YES	S3VEM
Lead	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Magnesium	Target	25000		ug/L	25000		1.0	YES	S3VEM
Manganese	Target	278		ug/L	278		1.0	YES	S3VEM
Nickel	Target	3.4		ug/L	3.4		1.0	YES	S3VEM
Potassium	Target	2430		ug/L	2430		1.0	YES	S3VEM
Selenium	Target	0.85	J	ug/L	0.85	J*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.10	J	1.0	YES	S3VEM
Sodium	Target	30100		ug/L	30100		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	12.7		ug/L	12.7		1.0	YES	S3VEM
Zinc	Target	394		ug/L	394		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5K4	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW04-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 18:13:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	306		ug/L	306		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Arsenic	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
Barium	Target	180		ug/L	180		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	86400		ug/L	86400		1.0	YES	S3VEM
Chromium	Target	16.1		ug/L	16.1		1.0	YES	S3VEM
Cobalt	Target	0.68	J	ug/L	0.68	J	1.0	YES	S3VEM
Copper	Target	5.2		ug/L	5.2		1.0	YES	S3VEM
Iron	Target	932		ug/L	932		1.0	YES	S3VEM
Lead	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Magnesium	Target	21400		ug/L	21400		1.0	YES	S3VEM
Manganese	Target	633		ug/L	633		1.0	YES	S3VEM
Nickel	Target	4.9		ug/L	4.9		1.0	YES	S3VEM
Potassium	Target	1770		ug/L	1770		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Sodium	Target	14300		ug/L	14300		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	4.7	J	ug/L	4.7	J	1.0	YES	S3VEM
Zinc	Target	176		ug/L	176		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5K5	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW05-SH-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	24.3		ug/L	24.3		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.83	J	1.0	YES	S3VEM
Arsenic	Target	2.4		ug/L	2.4		1.0	YES	S3VEM
Barium	Target	41.6		ug/L	41.6		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	11800		ug/L	11800		1.0	YES	S3VEM
Chromium	Target	6.4		ug/L	6.4		1.0	YES	S3VEM
Cobalt	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Copper	Target	3.8		ug/L	3.8		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	101	J	1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	0.19	J	1.0	YES	S3VEM
Magnesium	Target	17200		ug/L	17200		1.0	YES	S3VEM
Manganese	Target	166		ug/L	166		1.0	YES	S3VEM
Nickel	Target	3.5		ug/L	3.5		1.0	YES	S3VEM
Potassium	Target	3540		ug/L	3540		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Sodium	Target	49700		ug/L	49700		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	15.1		ug/L	15.1		1.0	YES	S3VEM
Zinc	Target	585		ug/L	585		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5K8	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: FB061019	pH: 2	Sample Date: 06/10/2019	Sample Time: 17:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	20.0	U	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	7.3	J	ug/L	7.3	J	1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	200	U	1.0	YES	S3VEM
Lead	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Magnesium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Manganese	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Nickel	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Potassium	Target	11.2	J	ug/L	11.2	J	1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	0.050	J	ug/L	0.050	J	1.0	YES	S3VEM
Sodium	Target	50.8	J	ug/L	50.8	J	1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Zinc	Target	10.4		ug/L	10.4		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5L7	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: FB061119	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	1.1	J	ug/L	1.1	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	7.5	J	ug/L	7.5	J	1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	200	U	1.0	YES	S3VEM
Lead	Target	0.060	J	ug/L	0.060	J	1.0	YES	S3VEM
Magnesium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Manganese	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Nickel	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Potassium	Target	5.4	J	ug/L	5.4	J	1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	36.7	J	ug/L	36.7	J	1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Zinc	Target	9.1		ug/L	9.1		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M2	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-4-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	12.6	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Arsenic	Target	2.8		ug/L	2.8		1.0	YES	S3VEM
Barium	Target	106		ug/L	106		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	58600		ug/L	58600		1.0	YES	S3VEM
Chromium	Target	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Cobalt	Target	0.070	J	ug/L	0.070	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.5	J	1.0	YES	S3VEM
Iron	Target	211		ug/L	211		1.0	YES	S3VEM
Lead	Target	2.6		ug/L	2.6		1.0	YES	S3VEM
Magnesium	Target	28000		ug/L	28000		1.0	YES	S3VEM
Manganese	Target	23.8		ug/L	23.8		1.0	YES	S3VEM
Nickel	Target	0.81	J	ug/L	0.81	J	1.0	YES	S3VEM
Potassium	Target	1920		ug/L	1920		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Sodium	Target	16300		ug/L	16300		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	8.7		ug/L	8.7		1.0	YES	S3VEM
Zinc	Target	62.2	J	ug/L	62.2		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M3	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-5-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	6.8	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Arsenic	Target	4.3		ug/L	4.3		1.0	YES	S3VEM
Barium	Target	71.0		ug/L	71.0		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	55100		ug/L	55100		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	2.0		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	187	J	1.0	YES	S3VEM
Lead	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Magnesium	Target	26800		ug/L	26800		1.0	YES	S3VEM
Manganese	Target	53.1		ug/L	53.1		1.0	YES	S3VEM
Nickel	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
Potassium	Target	1860		ug/L	1860		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Sodium	Target	16400		ug/L	16400		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	4.9	J	ug/L	4.9	J	1.0	YES	S3VEM
Zinc	Target	14.8		ug/L	14.8		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M4	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-6-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	17.1	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Arsenic	Target	5.1		ug/L	5.1		1.0	YES	S3VEM
Barium	Target	62.9		ug/L	62.9		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	54300		ug/L	54300		1.0	YES	S3VEM
Chromium	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
Cobalt	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Copper	Target	4.8		ug/L	4.8		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	188	J	1.0	YES	S3VEM
Lead	Target	4.7		ug/L	4.7		1.0	YES	S3VEM
Magnesium	Target	25900		ug/L	25900		1.0	YES	S3VEM
Manganese	Target	29.6		ug/L	29.6		1.0	YES	S3VEM
Nickel	Target	0.44	J	ug/L	0.44	J	1.0	YES	S3VEM
Potassium	Target	1670		ug/L	1670		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Sodium	Target	16200		ug/L	16200		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	15.6		ug/L	15.6		1.0	YES	S3VEM
Zinc	Target	27.7	J	ug/L	27.7		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M5	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-7-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	4.0	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Arsenic	Target	5.8		ug/L	5.8		1.0	YES	S3VEM
Barium	Target	137		ug/L	137		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	50000		ug/L	50000		1.0	YES	S3VEM
Chromium	Target	0.42	J	ug/L	0.42	J	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	2.9		ug/L	2.9		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	179	J	1.0	YES	S3VEM
Lead	Target	4.0		ug/L	4.0		1.0	YES	S3VEM
Magnesium	Target	25300		ug/L	25300		1.0	YES	S3VEM
Manganese	Target	2.7		ug/L	2.7		1.0	YES	S3VEM
Nickel	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
Potassium	Target	1610		ug/L	1610		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Sodium	Target	13400		ug/L	13400		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	14.1		ug/L	14.1		1.0	YES	S3VEM
Zinc	Target	19.8	J	ug/L	19.8		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M6	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: FD061119	pH: 2	Sample Date: 06/11/2019	Sample Time: 15:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	753		ug/L	753		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.14	J	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	0.78	J	1.0	YES	S3VEM
Barium	Target	73.8		ug/L	73.8		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	0.55	J	ug/L	0.55	J	1.0	YES	S3VEM
Calcium	Target	188000		ug/L	188000		1.0	YES	S3VEM
Chromium	Target	5.2		ug/L	5.2		1.0	YES	S3VEM
Cobalt	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
Copper	Target	7.9		ug/L	7.9		1.0	YES	S3VEM
Iron	Target	2530		ug/L	2530		1.0	YES	S3VEM
Lead	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
Magnesium	Target	19600		ug/L	19600		1.0	YES	S3VEM
Manganese	Target	142		ug/L	142		1.0	YES	S3VEM
Nickel	Target	8.2		ug/L	8.2		1.0	YES	S3VEM
Potassium	Target	2450		ug/L	2450		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.090	J	1.0	YES	S3VEM
Sodium	Target	40000		ug/L	40000		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.9		ug/L	5.9		1.0	YES	S3VEM
Zinc	Target	5030		ug/L	5030	D	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M7	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW06-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	772		ug/L	772		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.10	J	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	0.76	J	1.0	YES	S3VEM
Barium	Target	78.3		ug/L	78.3		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM
Calcium	Target	200000		ug/L	200000		1.0	YES	S3VEM
Chromium	Target	5.1		ug/L	5.1		1.0	YES	S3VEM
Cobalt	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
Copper	Target	8.3		ug/L	8.3		1.0	YES	S3VEM
Iron	Target	2600		ug/L	2600		1.0	YES	S3VEM
Lead	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
Magnesium	Target	19900		ug/L	19900		1.0	YES	S3VEM
Manganese	Target	143		ug/L	143		1.0	YES	S3VEM
Nickel	Target	8.2		ug/L	8.2		1.0	YES	S3VEM
Potassium	Target	2450		ug/L	2450		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Sodium	Target	40300		ug/L	40300		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	6.1		ug/L	6.1		1.0	YES	S3VEM
Zinc	Target	5130		ug/L	5130	D	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M8	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW12-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	97.5		ug/L	97.5		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	0.91	J	1.0	YES	S3VEM
Barium	Target	436		ug/L	436		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	256000		ug/L	256000		1.0	YES	S3VEM
Chromium	Target	5.7		ug/L	5.7		1.0	YES	S3VEM
Cobalt	Target	0.82	J	ug/L	0.82	J	1.0	YES	S3VEM
Copper	Target	2.2		ug/L	2.2		1.0	YES	S3VEM
Iron	Target	2210		ug/L	2210		1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	0.71	J	1.0	YES	S3VEM
Magnesium	Target	22400		ug/L	22400		1.0	YES	S3VEM
Manganese	Target	245		ug/L	245		1.0	YES	S3VEM
Nickel	Target	18.4		ug/L	18.4		1.0	YES	S3VEM
Potassium	Target	1770		ug/L	1770		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Sodium	Target	53300		ug/L	53300		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	4.2	J	ug/L	4.2	J	1.0	YES	S3VEM
Zinc	Target	118		ug/L	118		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M8A	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Selenium	Spike	12.7		ug/L	12.7		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M8D	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	97.0		ug/L	97.0		1.0	YES	S3VEM
Antimony	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Arsenic	Target	0.87	J	ug/L	0.87	J	1.0	YES	S3VEM
Barium	Target	440		ug/L	440		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	258000		ug/L	258000		1.0	YES	S3VEM
Chromium	Target	5.9		ug/L	5.9		1.0	YES	S3VEM
Cobalt	Target	0.83	J	ug/L	0.83	J	1.0	YES	S3VEM
Copper	Target	2.4		ug/L	2.4		1.0	YES	S3VEM
Iron	Target	2220		ug/L	2220		1.0	YES	S3VEM
Lead	Target	0.72	J	ug/L	0.72	J	1.0	YES	S3VEM
Magnesium	Target	22400		ug/L	22400		1.0	YES	S3VEM
Manganese	Target	245		ug/L	245		1.0	YES	S3VEM
Nickel	Target	18.2		ug/L	18.2		1.0	YES	S3VEM
Potassium	Target	1780		ug/L	1780		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Silver	Target	0.060	J	ug/L	0.060	J	1.0	YES	S3VEM
Sodium	Target	53500		ug/L	53500		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	4.3	J	ug/L	4.3	J	1.0	YES	S3VEM
Zinc	Target	119		ug/L	119		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M8L	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	101		ug/L	101		5.0	YES	S3VEM
Antimony	Target	10.0	U	ug/L	10.0	U	5.0	YES	S3VEM
Arsenic	Target	1.1	J	ug/L	1.1	J	5.0	YES	S3VEM
Barium	Target	422		ug/L	422		5.0	YES	S3VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S3VEM
Cadmium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S3VEM
Calcium	Target	247000		ug/L	247000		5.0	YES	S3VEM
Chromium	Target	5.7	J	ug/L	5.7	J	5.0	YES	S3VEM
Cobalt	Target	0.75	J	ug/L	0.75	J	5.0	YES	S3VEM
Copper	Target	3.3	J	ug/L	3.3	J	5.0	YES	S3VEM
Iron	Target	2180		ug/L	2180		5.0	YES	S3VEM
Lead	Target	0.75	J	ug/L	0.75	J	5.0	YES	S3VEM
Magnesium	Target	22800		ug/L	22800		5.0	YES	S3VEM
Manganese	Target	243		ug/L	243		5.0	YES	S3VEM
Nickel	Target	17.4		ug/L	17.4		5.0	YES	S3VEM
Potassium	Target	1760	J	ug/L	1760	J	5.0	YES	S3VEM
Selenium	Target	25.0	U	ug/L	25.0	U	5.0	YES	S3VEM
Silver	Target	0.20	J	ug/L	0.20	J	5.0	YES	S3VEM
Sodium	Target	51700		ug/L	51700		5.0	YES	S3VEM
Thallium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S3VEM
Vanadium	Target	4.2	J	ug/L	4.2	J	5.0	YES	S3VEM
Zinc	Target	117		ug/L	117		5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5M8S	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	95.5		ug/L	95.5		1.0	YES	S3VEM
Arsenic	Spike	44.2		ug/L	44.2		1.0	YES	S3VEM
Barium	Spike	2420		ug/L	2420		1.0	YES	S3VEM
Beryllium	Spike	51.8		ug/L	51.8		1.0	YES	S3VEM
Cadmium	Spike	47.7		ug/L	47.7		1.0	YES	S3VEM
Chromium	Spike	209		ug/L	209		1.0	YES	S3VEM
Cobalt	Spike	514		ug/L	514		1.0	YES	S3VEM
Copper	Spike	265		ug/L	265		1.0	YES	S3VEM
Lead	Spike	21.3		ug/L	21.3		1.0	YES	S3VEM
Manganese	Spike	755		ug/L	755		1.0	YES	S3VEM
Nickel	Spike	525		ug/L	525		1.0	YES	S3VEM
Selenium	Spike	142		ug/L	142	*	1.0	YES	S3VEM
Silver	Spike	47.9		ug/L	47.9		1.0	YES	S3VEM
Thallium	Spike	50.9		ug/L	50.9		1.0	YES	S3VEM
Vanadium	Spike	511		ug/L	511		1.0	YES	S3VEM
Zinc	Spike	660		ug/L	660		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5N6	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-7-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	13.4	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Arsenic	Target	5.7		ug/L	5.7		1.0	YES	S3VEM
Barium	Target	80.8		ug/L	80.8		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	42000		ug/L	42000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	0.060	J	ug/L	0.060	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.0	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	157	J	1.0	YES	S3VEM
Lead	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Magnesium	Target	22700		ug/L	22700		1.0	YES	S3VEM
Manganese	Target	128		ug/L	128		1.0	YES	S3VEM
Nickel	Target	0.34	J	ug/L	0.34	J	1.0	YES	S3VEM
Potassium	Target	1470		ug/L	1470		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Sodium	Target	12400		ug/L	12400		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	10.1		ug/L	10.1		1.0	YES	S3VEM
Zinc	Target	14.9	J	ug/L	14.9		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5N8	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-9-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	13.8	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Arsenic	Target	2.4		ug/L	2.4		1.0	YES	S3VEM
Barium	Target	45.2		ug/L	45.2		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	48100		ug/L	48100		1.0	YES	S3VEM
Chromium	Target	0.44	J	ug/L	0.44	J	1.0	YES	S3VEM
Cobalt	Target	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Copper	Target	4.7		ug/L	4.7		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	154	J	1.0	YES	S3VEM
Lead	Target	4.5		ug/L	4.5		1.0	YES	S3VEM
Magnesium	Target	27200		ug/L	27200		1.0	YES	S3VEM
Manganese	Target	22.7		ug/L	22.7		1.0	YES	S3VEM
Nickel	Target	0.20	J	ug/L	0.20	J	1.0	YES	S3VEM
Potassium	Target	1550		ug/L	1550		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Sodium	Target	14900		ug/L	14900		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.9		ug/L	5.9		1.0	YES	S3VEM
Zinc	Target	40.9	J	ug/L	40.9		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5A9** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW836	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	20.0	U	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	-0.12	J	ug/L	-0.12	J	1.0	YES	S3VEM
Calcium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	200	U	1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Magnesium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Manganese	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Nickel	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Potassium	Target	5.7	J	ug/L	5.7	J	1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	8.5	J	ug/L	8.5	J	1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Zinc	Target	0.070	J	ug/L	0.070	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14030/MBE5A9	Lab Name: Chemtech Consulting Group

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.:48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 20 (Water)
Analysis: Metals (ICP-MS)

SDG No.: MBE5A9
Laboratory: Chemtech Consulting Group
Sampling dates: 6/5/2019 to 6/12/2019
Validation SOP: HW-3b (Rev 1)

QAPP
Contractor: EA Engineering, Science, and Technology, Inc., PBC
Reference: Contract No. W912DQ-16-D-3001, October 2017.

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Samples MBE5M2, MBE5M4, MBE5M5, MBE5N6 and MBE5N8 have analytes that have been qualified J, J+ or J-.

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT:	One or more detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): Dharmesh Patel

Approver's Signature: **Date: 07/26/2019**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-MS

The current SOP HW-3b (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-MS metals generated through Statement of Work ISOM02.2, and any future editorial revisions of ISOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results greater than or equal to MDLs and less than or equal to CRQLs. The associated ICB analyte results are greater than or equal to MDLs and less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Aluminum MBE5A9, MBE5B0, MBE5J9, MBE5K0, MBE5K1, MBE5K2, MBE5M2, MBE5M3, MBE5M4, MBE5M5, MBE5N6, MBE5N8.
Antimony MBE5A9, MBE5B0, MBE5J9, MBE5K0, MBE5K1, MBE5K2, MBE5K3, MBE5K4, MBE5K5, MBE5M2, MBE5M3, MBE5M4, MBE5M5, MBE5M6, MBE5M7, MBE5M8, MBE5N6, MBE5N8.
Beryllium MBE5K3, MBE5K4.
Thallium MBE5A9, MBE5B0.

The following samples have analyte results less than or equal to CRQLs. The associated CCB analyte results are less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Aluminum MBE5A9, MBE5B0, MBE5J9, MBE5K0, MBE5K1, MBE5K2, MBE5M2, MBE5M3, MBE5M4, MBE5M5, MBE5N6, MBE5N8.
Antimony MBE5A9, MBE5B0, MBE5J9, MBE5K0, MBE5K1, MBE5K2, MBE5K3, MBE5K4, MBE5K5, MBE5M2, MBE5M3, MBE5M4, MBE5M5, MBE5M6, MBE5M7, MBE5M8, MBE5N6, MBE5N8.
Arsenic MBE5J9, MBE5M6, MBE5M7, MBE5M8.
Beryllium MBE5K3, MBE5K4.
Copper MBE5B0, MBE5K1, MBE5K2, MBE5M2, MBE5M3, MBE5N6.
Iron MBE5B0, MBE5K1, MBE5K2, MBE5K5, MBE5M3, MBE5M4, MBE5M5, MBE5N6, MBE5N8.
Lead MBE5K5, MBE5M8.
Silver MBE5A9, MBE5B0, MBE5J9, MBE5K0, MBE5K1, MBE5K2, MBE5K3, MBE5K4, MBE5K5, MBE5M2, MBE5M3, MBE5M4, MBE5M5, MBE5M6, MBE5M7, MBE5M8, MBE5N6, MBE5N8.
Thallium MBE5A9, MBE5B0.

Field Blank: MBF5EK8 and MBE5L7.

The following samples have analyte results greater than or equal to MDLs and less than or equal to CRQLs. The associated field blank analyte results are greater than or equal to MDLs and less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Aluminum, Copper and Lead: No additional qualification is required due to field blank contamination**.**

The following samples have analyte results greater than CRQL but less than 10X field blank analyte results. The associated field blank analyte results are greater than CRQLs. Detects are qualified J.

Zinc MBE5M2, MBE5M4, MBE5M5, MBE5N6, MBE5N8.

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample has matrix spike recovery greater than 125% and the post digestion spike sample has percent recovery greater than 125%. Detects are qualified J+. Nondetects are not qualified.

Selenium MBE5M8.

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE: MBE5M7/MBE5M6

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No problems were found for this criterion.

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 10. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

No problems were found for this criterion.

10. ICP-MS TUNE ANALYSIS

The Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) tune serves as an initial demonstration of instrument stability and precision. Prior to calibration, the laboratory shall analyze or scan the ICP-MS tuning solution at least five times (5x) consecutively. The tuning solution contains 100 µg/L of Be, Mg, Co, In, and Pb. The solution shall contain all required isotopes of the above elements. The laboratory shall make any adjustments necessary to bring peak width within the instrument manufacturer's specifications and adjust mass resolution to within 0.1 u over the range of 6-210 u. The Percent Relative Standard Deviation (%RSD) of the absolute signals for all analytes in the tuning solution must be < 5%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

11. ICP-MS INTERNAL STANDARDS

The analysis of Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) internal standards determines the existence and magnitude of instrument drift and physical interferences. The criteria for evaluation of internal standard results apply to all analytical and Quality Control (QC) samples analyzed during the run, beginning with the calibration.
All samples analyzed during a run, with the exception of the ICP-MS tune, shall contain internal standards. A minimum of five internal standards shall be added to each sample. The laboratory shall monitor the same internal standards throughout the entire analytical run and shall assign each analyte to at least one internal standard. The Percent Relative Intensity (%RI) in the sample shall fall within 60-125% of the response in the calibration blank. If the %RI of the response in the

sample falls outside of these limits, the laboratory shall reanalyze the original sample at a two-fold dilution with internal standard added. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

12. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

Not applicable.

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Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS933	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	39.0		ug/L	39.0		1.0	YES	S3VEM
Antimony	Spike	4.0		ug/L	4.0		1.0	YES	S3VEM
Arsenic	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Barium	Spike	20.5		ug/L	20.5		1.0	YES	S3VEM
Beryllium	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Cadmium	Spike	1.9		ug/L	1.9		1.0	YES	S3VEM
Calcium	Spike	939		ug/L	939		1.0	YES	S3VEM
Chromium	Spike	3.9		ug/L	3.9		1.0	YES	S3VEM
Cobalt	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Copper	Spike	3.9		ug/L	3.9		1.0	YES	S3VEM
Iron	Spike	421		ug/L	421		1.0	YES	S3VEM
Lead	Spike	1.9		ug/L	1.9		1.0	YES	S3VEM
Magnesium	Spike	1060		ug/L	1060		1.0	YES	S3VEM
Manganese	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Nickel	Spike	2.1		ug/L	2.1		1.0	YES	S3VEM
Potassium	Spike	1000		ug/L	1000		1.0	YES	S3VEM
Selenium	Spike	9.7		ug/L	9.7		1.0	YES	S3VEM
Silver	Spike	2.1		ug/L	2.1		1.0	YES	S3VEM
Sodium	Spike	1000		ug/L	1000		1.0	YES	S3VEM
Thallium	Spike	1.9		ug/L	1.9		1.0	YES	S3VEM
Vanadium	Spike	10.0		ug/L	10.0		1.0	YES	S3VEM
Zinc	Spike	3.5		ug/L	3.5		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5N9	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW07-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 16:19:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	49.7	J	ug/L	49.7	*	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	0.57	J	1.0	YES	S3VEM
Barium	Target	3320		ug/L	3320	D	2.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	270000		ug/L	270000		1.0	YES	S3VEM
Chromium	Target	0.46	J	ug/L	0.46	J	1.0	YES	S3VEM
Cobalt	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	0.93	J	1.0	YES	S3VEM
Iron	Target	1120		ug/L	1120		1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	0.31	J	1.0	YES	S3VEM
Magnesium	Target	27900		ug/L	27900		1.0	YES	S3VEM
Manganese	Target	16.4		ug/L	16.4		1.0	YES	S3VEM
Nickel	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Potassium	Target	2480		ug/L	2480		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Sodium	Target	22500		ug/L	22500		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Vanadium	Target	1.8	J	ug/L	1.8	J	1.0	YES	S3VEM
Zinc	Target	35.6	J	ug/L	35.6		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5N9A	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date: 06/11/2019	Sample Time: 16:19:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Selenium	Spike	12.3		ug/L	12.3		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5N9D	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date: 06/11/2019	Sample Time: 16:19:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	40.1		ug/L	40.1		1.0	YES	S3VEM
Antimony	Target	0.070	J	ug/L	0.070	J	1.0	YES	S3VEM
Arsenic	Target	0.72	J	ug/L	0.72	J	1.0	YES	S3VEM
Barium	Target	3320		ug/L	3320	D	2.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	270000		ug/L	270000		1.0	YES	S3VEM
Chromium	Target	0.50	J	ug/L	0.50	J	1.0	YES	S3VEM
Cobalt	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
Copper	Target	1.0	J	ug/L	1.0	J	1.0	YES	S3VEM
Iron	Target	1120		ug/L	1120		1.0	YES	S3VEM
Lead	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM
Magnesium	Target	27900		ug/L	27900		1.0	YES	S3VEM
Manganese	Target	16.7		ug/L	16.7		1.0	YES	S3VEM
Nickel	Target	2.5		ug/L	2.5		1.0	YES	S3VEM
Potassium	Target	2500		ug/L	2500		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Silver	Target	0.050	J	ug/L	0.050	J	1.0	YES	S3VEM
Sodium	Target	22500		ug/L	22500		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	1.8	J	ug/L	1.8	J	1.0	YES	S3VEM
Zinc	Target	39.5		ug/L	39.5		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5N9L	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	60.8	J	ug/L	60.8	J*	5.0	YES	S3VEM
Antimony	Target	1.1	J	ug/L	1.1	J	5.0	YES	S3VEM
Arsenic	Target	0.90	J	ug/L	0.90	J	5.0	YES	S3VEM
Barium	Target	3340		ug/L	3340	D	10.0	YES	S3VEM
Beryllium	Target	0.30	J	ug/L	0.30	J	5.0	YES	S3VEM
Cadmium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S3VEM
Calcium	Target	264000		ug/L	264000		5.0	YES	S3VEM
Chromium	Target	0.65	J	ug/L	0.65	J	5.0	YES	S3VEM
Cobalt	Target	0.20	J	ug/L	0.20	J	5.0	YES	S3VEM
Copper	Target	1.5	J	ug/L	1.5	J	5.0	YES	S3VEM
Iron	Target	1080		ug/L	1080		5.0	YES	S3VEM
Lead	Target	0.50	J	ug/L	0.50	J	5.0	YES	S3VEM
Magnesium	Target	28400		ug/L	28400		5.0	YES	S3VEM
Manganese	Target	15.5		ug/L	15.5		5.0	YES	S3VEM
Nickel	Target	2.5	J	ug/L	2.5	J	5.0	YES	S3VEM
Potassium	Target	2450		ug/L	2450	J	5.0	YES	S3VEM
Selenium	Target	25.0	U	ug/L	25.0	U	5.0	YES	S3VEM
Silver	Target	1.8	J	ug/L	1.8	J	5.0	YES	S3VEM
Sodium	Target	22000		ug/L	22000		5.0	YES	S3VEM
Thallium	Target	0.35	J	ug/L	0.35	J	5.0	YES	S3VEM
Vanadium	Target	1.6	J	ug/L	1.6	J	5.0	YES	S3VEM
Zinc	Target	34.6		ug/L	34.6		5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5N9S	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date: 06/11/2019	Sample Time: 16:19:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	97.9		ug/L	97.9		1.0	YES	S3VEM
Arsenic	Spike	44.8		ug/L	44.8		1.0	YES	S3VEM
Barium	Spike	5070		ug/L	5070	D	2.0	YES	S3VEM
Beryllium	Spike	51.4		ug/L	51.4		1.0	YES	S3VEM
Cadmium	Spike	46.8		ug/L	46.8		1.0	YES	S3VEM
Chromium	Spike	200		ug/L	200		1.0	YES	S3VEM
Cobalt	Spike	506		ug/L	506		1.0	YES	S3VEM
Copper	Spike	241		ug/L	241		1.0	YES	S3VEM
Lead	Spike	20.3		ug/L	20.3		1.0	YES	S3VEM
Manganese	Spike	510		ug/L	510		1.0	YES	S3VEM
Nickel	Spike	506		ug/L	506		1.0	YES	S3VEM
Selenium	Spike	144		ug/L	144	*	1.0	YES	S3VEM
Silver	Spike	47.0		ug/L	47.0		1.0	YES	S3VEM
Thallium	Spike	50.6		ug/L	50.6		1.0	YES	S3VEM
Vanadium	Spike	499		ug/L	499		1.0	YES	S3VEM
Zinc	Spike	575		ug/L	575		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5P0	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-ERT2-1-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	89.2		ug/L	89.2	*	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.12	J	1.0	YES	S3VEM
Arsenic	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Barium	Target	8270		ug/L	8270	D	4.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
Calcium	Target	663000		ug/L	663000	D	4.0	YES	S3VEM
Chromium	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
Cobalt	Target	0.48	J	ug/L	0.48	J	1.0	YES	S3VEM
Copper	Target	7.0		ug/L	7.0		1.0	YES	S3VEM
Iron	Target	2710		ug/L	2710		1.0	YES	S3VEM
Lead	Target	3.2		ug/L	3.2		1.0	YES	S3VEM
Magnesium	Target	54800		ug/L	54800		1.0	YES	S3VEM
Manganese	Target	156		ug/L	156		1.0	YES	S3VEM
Nickel	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Potassium	Target	3470		ug/L	3470		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.17	J	1.0	YES	S3VEM
Sodium	Target	68300		ug/L	68300		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	0.14	J	1.0	YES	S3VEM
Vanadium	Target	1.4	J	ug/L	1.4	J	1.0	YES	S3VEM
Zinc	Target	71.9	J	ug/L	71.9		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5P1	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-ERT2-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	125		ug/L	125	*	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	0.94	J	1.0	YES	S3VEM
Barium	Target	1990		ug/L	1990		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	291000		ug/L	291000		1.0	YES	S3VEM
Chromium	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
Cobalt	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
Copper	Target	6.8		ug/L	6.8		1.0	YES	S3VEM
Iron	Target	1160		ug/L	1160		1.0	YES	S3VEM
Lead	Target	6.1		ug/L	6.1		1.0	YES	S3VEM
Magnesium	Target	31500		ug/L	31500		1.0	YES	S3VEM
Manganese	Target	2.4		ug/L	2.4		1.0	YES	S3VEM
Nickel	Target	0.80	J	ug/L	0.80	J	1.0	YES	S3VEM
Potassium	Target	2030		ug/L	2030		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.12	J	1.0	YES	S3VEM
Sodium	Target	39300		ug/L	39300		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	2.7	J	ug/L	2.7	J	1.0	YES	S3VEM
Zinc	Target	126	J	ug/L	126		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5P8	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW17-3-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	80.9		ug/L	80.9	*	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.17	J	1.0	YES	S3VEM
Arsenic	Target	5.2		ug/L	5.2		1.0	YES	S3VEM
Barium	Target	57.8		ug/L	57.8		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	53500		ug/L	53500		1.0	YES	S3VEM
Chromium	Target	0.20	J	ug/L	0.20	J	1.0	YES	S3VEM
Cobalt	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Copper	Target	3.2		ug/L	3.2		1.0	YES	S3VEM
Iron	Target	241		ug/L	241		1.0	YES	S3VEM
Lead	Target	3.2		ug/L	3.2		1.0	YES	S3VEM
Magnesium	Target	26100		ug/L	26100		1.0	YES	S3VEM
Manganese	Target	49.2		ug/L	49.2		1.0	YES	S3VEM
Nickel	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
Potassium	Target	1950		ug/L	1950		1.0	YES	S3VEM
Selenium	Target	0.87	J	ug/L	0.87	J*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Sodium	Target	19000		ug/L	19000		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.6		ug/L	5.6		1.0	YES	S3VEM
Zinc	Target	55.0	J	ug/L	55.0		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5Q0	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW14S-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	24.1		ug/L	24.1	*	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Arsenic	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Barium	Target	1100		ug/L	1100		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	91200		ug/L	91200		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
Copper	Target	3.7		ug/L	3.7		1.0	YES	S3VEM
Iron	Target	393		ug/L	393		1.0	YES	S3VEM
Lead	Target	2.5		ug/L	2.5		1.0	YES	S3VEM
Magnesium	Target	23300		ug/L	23300		1.0	YES	S3VEM
Manganese	Target	523		ug/L	523		1.0	YES	S3VEM
Nickel	Target	0.85	J	ug/L	0.85	J	1.0	YES	S3VEM
Potassium	Target	1900		ug/L	1900		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.13	J	1.0	YES	S3VEM
Sodium	Target	18400		ug/L	18400		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	2.4	J	ug/L	2.4	J	1.0	YES	S3VEM
Zinc	Target	17.5	J	ug/L	17.5		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5Q1	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW14S-3-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	13.1	J*	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
Barium	Target	822		ug/L	822		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	98900		ug/L	98900		1.0	YES	S3VEM
Chromium	Target	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Cobalt	Target	0.20	J	ug/L	0.20	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.4	J	1.0	YES	S3VEM
Iron	Target	413		ug/L	413		1.0	YES	S3VEM
Lead	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
Magnesium	Target	25700		ug/L	25700		1.0	YES	S3VEM
Manganese	Target	776		ug/L	776		1.0	YES	S3VEM
Nickel	Target	0.86	J	ug/L	0.86	J	1.0	YES	S3VEM
Potassium	Target	1990		ug/L	1990		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Sodium	Target	18000		ug/L	18000		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	0.99	J	ug/L	0.99	J	1.0	YES	S3VEM
Zinc	Target	26.2	J	ug/L	26.2		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5R1	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: FB061219	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	0.71	J*	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	500	U	ug/L	6.2	J	1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	0.30	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	200	U	1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Magnesium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Manganese	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Nickel	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Potassium	Target	500	U	ug/L	5.5	J	1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.030	J	1.0	YES	S3VEM
Sodium	Target	500	U	ug/L	45.8	J	1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Zinc	Target	9.0		ug/L	9.0		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE5N9** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW933	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	20.0	U	1.0	YES	S3VEM
Antimony	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S3VEM
Beryllium	Target	0.050	J	ug/L	0.050	J	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	0.39	J	ug/L	0.39	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	200	U	1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Magnesium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Manganese	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Nickel	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Potassium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	22.7	J	ug/L	22.7	J	1.0	YES	S3VEM
Thallium	Target	0.050	J	ug/L	0.050	J	1.0	YES	S3VEM
Vanadium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Zinc	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14030/MBE5N9	Lab Name: Chemtech Consulting Group

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890, Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell-Dubilier Electronics
Number of Samples: 7 (6 Water, 1 Field Blank)
Analysis: Metals (ICP-MS)

SDG No.: MBE5N9
Laboratory: Chemtech Consulting (CHM)
Sampling date: 6/11 & 12/2019
Validation SOP: HW-3b (Rev 1)

QAPP
Contractor: EA Engineering
Reference: W912DQ-16-D-3001 (October 2017)

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "**J**" estimated, "**J+**", and "**J-**" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings: None

Major Findings: Samples have **Zinc** analyte that has been qualified "**J**" due to Field Blank criterion.

Minor Findings: One or more analytes in the samples are qualified "**J**" due to results between MDL and CRQL

COMMENT:	One or more detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): A Aoanan (SEE)

Approver's Signature: **Date: 07/15/2019**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890, Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXINS/FURANS**
U	The analyte was analyzed for but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-MS

The current SOP HW-3b (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-MS metals generated through Statement of Work (SOW) ISOM02.2, and any future editorial revisions of ISOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines (NFG) Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples) are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤ 2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ± 30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample.

The percent recovery acceptable limits for ICV/CCV are 90 - 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank (PB) is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following sample has analyte results less than or equal to CRQLs. The associated **CCB** analyte results are less than or equal to CRQLs. Detects are qualified as **U**. Sample results are reported at CRQLs.

Aluminum – MBE5Q1, MBE5R1
Antimony – MBE5N9, MBE5P0, MBE5P1, MBE5P8, MBE5Q0
Arsenic – MBE5P1
Calcium – MBE5R1
Copper – MBE5N9, MBE5Q1, MBE5R1
Lead – MBE5N9, MBE5R1
Potassium – MBE5R1
Silver – MBE5N9, MBE5P0, MBE5P1, MBE5P8, MBE5Q0, MBE5Q1, MBE5R1
Sodium – MBE5R1
Thallium – MBE5N9, MBE5P0

The following samples have analyte results greater than or equal to MDLs and less than or equal to CRQLs. The associated **ICB** analyte results are greater than or equal to MDLs and less than or equal to CRQLs. Detects are qualified as **U**. Sample results are reported at CRQLs.

Aluminum – MBE5Q1, MBE5R1
Antimony – MBE5N9, MBE5P0, MBE5P1, MBE5P8, MBE5Q0
Arsenic – MBE5N9, MBE5P1
Lead – MBE5N9, MBE5R1
Sodium – MBE5R1
Thallium – MBE5N9, MBE5P0

The following sample has analyte results greater than or equal to MDLs and less than or equal to CRQLs. The associated **PB** analyte results are greater than or equal to MDLs and less than or equal to CRQLs. Detects are qualified as **U**. Sample results are reported at CRQLs.

Antimony – MBE5N9, MBE5P0, MBE5P1, MBE5P8, MBE5Q0
Copper – MBE5N9, MBE5Q1, MBE5R1
Sodium – MBE5R1
Thallium – MBE5N9, MBE5P0

FIELD BLANK – MBE5R1

Field Blank sample was identified in the Trip Report for this SDG's sampling dates.

The Filed Blank sample is associated with **PB** that has analyte result less than or equal to (-MDLs) but greater than or equal to (-CRQLs). Detect was not qualified.

The Field Blank sample has analyte result greater than CRQL. The associated samples analyte results greater than Field Blank result, but less than 10x Field Blank result are qualified as **J**. Detects less than or equal CRQL are qualified as **U**, results reported at CRQLs.

Zinc – MBE5N9, MBE5P0, MBE5P1, MBE5P8, MBE5Q0, MBE5Q1

No other problems were found for this criterion.

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ± 2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 - 125%. However, spike recovery limits do not apply when the sample concentration is ≥ four time (≥ 4x) the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

No problems were found for this criterion.

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 35 - 120% for soil/sediment and 20 - 100% for aqueous for the Relative Percent Difference (RPD) shall be used for original and duplicate sample

values ≥ five times (≥ 5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 50% for soil/sediment and 20% for aqueous for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (≥ 5x) the CRQL. A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

No Field Duplicate sample was identified in the Trip Report for this SDG's sampling dates.

No problems were found for this criterion.

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70 - 130%, except for Sb and Ag which must fall within the control limits of 50 - 150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma (ICP) determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high, concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL), the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 10. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

The following aqueous samples are associated with Serial Dilution (SD) sample that has analyte percent different %D greater than 10% but less than 100%. The original sample analyte concentrations are greater than 50xMDLs. Detects are qualified as estimated J. Nondetects are not qualified.

Aluminum – MBE5N9

No other problems were found for this criterion.

10. ICP-MS TUNE ANALYSIS

The Inductively Coupled Plasma - Mass Spectrometry (ICP-MS) tune serves as an initial demonstration of instrument stability and precision. Prior to calibration, the laboratory shall analyze or scan the ICP-MS tuning solution at least five times (5x) consecutively. The tuning solution contains 100 µg/L of Be, Mg, Co, In, and Pb. The solution shall contain all required isotopes of the above elements. The laboratory shall make any adjustments necessary to bring peak width within the instrument manufacturer's specifications and adjust mass resolution to within 0.1 u over the range of 6 - 210 u. The Percent Relative Standard Deviation (%RSD) of the absolute signals for all analytes in the tuning solution must be < 5%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

11. ICP-MS INTERNAL STANDARDS

The analysis of Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) internal standards determines the existence and magnitude of instrument drift and physical interferences. The criteria for evaluation of internal standard results apply to all analytical and Quality Control (QC) samples analyzed during the run, beginning with the calibration. All samples analyzed during a run, except for the ICP-MS tune, shall contain internal standards. A minimum of five internal standards shall be added to each sample. The laboratory shall monitor the same internal standards throughout the entire analytical run and shall assign each analyte to at least one internal standard. The Percent Relative Intensity (%RI) in the sample shall fall within 60 - 125% of the response in the calibration blank. If the %RI of the response in the sample falls outside of these limits, the laboratory shall reanalyze the original sample at a two-fold dilution with internal standard added. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

12. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

Not applicable for this SDG. None found.

13. OTHER ISSUES

No other issues were found for this SDG.

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Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: LCS766	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Spike	42.7		ug/L	42.7		1.0	YES	S3VEM
Antimony	Spike	3.8		ug/L	3.8		1.0	YES	S3VEM
Arsenic	Spike	1.8		ug/L	1.8		1.0	YES	S3VEM
Barium	Spike	19.9		ug/L	19.9		1.0	YES	S3VEM
Beryllium	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Cadmium	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Calcium	Spike	943		ug/L	943		1.0	YES	S3VEM
Chromium	Spike	3.9		ug/L	3.9		1.0	YES	S3VEM
Cobalt	Spike	2.0		ug/L	2.0		1.0	YES	S3VEM
Copper	Spike	4.0		ug/L	4.0		1.0	YES	S3VEM
Iron	Spike	459		ug/L	459		1.0	YES	S3VEM
Lead	Spike	1.8		ug/L	1.8		1.0	YES	S3VEM
Magnesium	Spike	1030		ug/L	1030		1.0	YES	S3VEM
Manganese	Spike	2.1		ug/L	2.1		1.0	YES	S3VEM
Nickel	Spike	2.1		ug/L	2.1		1.0	YES	S3VEM
Potassium	Spike	1010		ug/L	1010		1.0	YES	S3VEM
Selenium	Spike	10.4		ug/L	10.4		1.0	YES	S3VEM
Silver	Spike	2.4		ug/L	2.4		1.0	YES	S3VEM
Sodium	Spike	985		ug/L	985		1.0	YES	S3VEM
Thallium	Spike	1.8		ug/L	1.8		1.0	YES	S3VEM
Vanadium	Spike	10.0		ug/L	10.0		1.0	YES	S3VEM
Zinc	Spike	4.2		ug/L	4.2		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE578	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW18-2-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:27:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	7.3	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	2.7		ug/L	2.7		1.0	YES	S3VEM
Barium	Target	46.3		ug/L	46.3		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	49400		ug/L	49400		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.33	J	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	5.9		ug/L	5.9		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	155	J	1.0	YES	S3VEM
Lead	Target	3.3		ug/L	3.3		1.0	YES	S3VEM
Magnesium	Target	25100		ug/L	25100		1.0	YES	S3VEM
Manganese	Target	1.0	U	ug/L	0.94	J	1.0	YES	S3VEM
Nickel	Target	0.37	J	ug/L	0.37	J	1.0	YES	S3VEM
Potassium	Target	1670		ug/L	1670		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	17600		ug/L	17600		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	10.2		ug/L	10.2	*	1.0	YES	S3VEM
Zinc	Target	67.9		ug/L	67.9		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE585	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-2-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 10:07:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	5.6	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Arsenic	Target	2.7		ug/L	2.7		1.0	YES	S3VEM
Barium	Target	53.1		ug/L	53.1		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	49400		ug/L	49400		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.22	J	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	3.6		ug/L	3.6		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	164	J	1.0	YES	S3VEM
Lead	Target	15.1		ug/L	15.1		1.0	YES	S3VEM
Magnesium	Target	21200		ug/L	21200		1.0	YES	S3VEM
Manganese	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Nickel	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
Potassium	Target	1340		ug/L	1340		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.030	J	1.0	YES	S3VEM
Sodium	Target	10600		ug/L	10600		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	13.3		ug/L	13.3	*	1.0	YES	S3VEM
Zinc	Target	74.4		ug/L	74.4		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE588	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-5-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 12:13:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	3.9	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Arsenic	Target	4.3		ug/L	4.3		1.0	YES	S3VEM
Barium	Target	17.2		ug/L	17.2		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	79500		ug/L	79500		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.74	J	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.2	J	1.0	YES	S3VEM
Iron	Target	244		ug/L	244		1.0	YES	S3VEM
Lead	Target	2.0		ug/L	2.0		1.0	YES	S3VEM
Magnesium	Target	36700		ug/L	36700		1.0	YES	S3VEM
Manganese	Target	26.1		ug/L	26.1		1.0	YES	S3VEM
Nickel	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Potassium	Target	1580		ug/L	1580		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.030	J	1.0	YES	S3VEM
Sodium	Target	26800		ug/L	26800		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	17.8		ug/L	17.8	*	1.0	YES	S3VEM
Zinc	Target	41.6		ug/L	41.6		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5A4	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-3-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	7.5	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Arsenic	Target	3.5		ug/L	3.5		1.0	YES	S3VEM
Barium	Target	241		ug/L	241		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	55000		ug/L	55000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Copper	Target	5.1		ug/L	5.1		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	199	J	1.0	YES	S3VEM
Lead	Target	2.8		ug/L	2.8		1.0	YES	S3VEM
Magnesium	Target	20800		ug/L	20800		1.0	YES	S3VEM
Manganese	Target	9.4		ug/L	9.4		1.0	YES	S3VEM
Nickel	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
Potassium	Target	1510		ug/L	1510		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	12300		ug/L	12300		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Vanadium	Target	6.7		ug/L	6.7	*	1.0	YES	S3VEM
Zinc	Target	23.3		ug/L	23.3		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5A5	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-4-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	4.2	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Arsenic	Target	2.7		ug/L	2.7		1.0	YES	S3VEM
Barium	Target	143		ug/L	143		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	56500		ug/L	56500		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Cobalt	Target	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Copper	Target	4.6		ug/L	4.6		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	171	J	1.0	YES	S3VEM
Lead	Target	4.4		ug/L	4.4		1.0	YES	S3VEM
Magnesium	Target	19400		ug/L	19400		1.0	YES	S3VEM
Manganese	Target	7.3		ug/L	7.3		1.0	YES	S3VEM
Nickel	Target	0.79	J	ug/L	0.79	J	1.0	YES	S3VEM
Potassium	Target	1330		ug/L	1330		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.030	J	1.0	YES	S3VEM
Sodium	Target	12300		ug/L	12300		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	7.1		ug/L	7.1	*	1.0	YES	S3VEM
Zinc	Target	15.8		ug/L	15.8		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5B9	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW22-4-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 09:43:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	7.6	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Arsenic	Target	12.0		ug/L	12.0		1.0	YES	S3VEM
Barium	Target	109		ug/L	109		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	33100		ug/L	33100		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	2.0		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	99.1	J	1.0	YES	S3VEM
Lead	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
Magnesium	Target	20600		ug/L	20600		1.0	YES	S3VEM
Manganese	Target	11.9		ug/L	11.9		1.0	YES	S3VEM
Nickel	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
Potassium	Target	1430		ug/L	1430		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.030	J	1.0	YES	S3VEM
Sodium	Target	13000		ug/L	13000		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	11.8		ug/L	11.8	*	1.0	YES	S3VEM
Zinc	Target	12.5	U	ug/L	12.0		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5C2	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-ERT7-3-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	5.4	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Arsenic	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Barium	Target	844		ug/L	844		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	57600		ug/L	57600		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	6.1		ug/L	6.1		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	177	J	1.0	YES	S3VEM
Lead	Target	2.4		ug/L	2.4		1.0	YES	S3VEM
Magnesium	Target	15400		ug/L	15400		1.0	YES	S3VEM
Manganese	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Nickel	Target	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
Potassium	Target	1250		ug/L	1250		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Sodium	Target	11200		ug/L	11200		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.9		ug/L	5.9	*	1.0	YES	S3VEM
Zinc	Target	29.0	J	ug/L	29.0		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5C5	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-ERT7-5-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	282		ug/L	282		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.41	J	1.0	YES	S3VEM
Arsenic	Target	3.3		ug/L	3.3		1.0	YES	S3VEM
Barium	Target	103		ug/L	103		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	49400		ug/L	49400		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.94	J	1.0	YES	S3VEM
Cobalt	Target	0.64	J	ug/L	0.64	J	1.0	YES	S3VEM
Copper	Target	70.6		ug/L	70.6		1.0	YES	S3VEM
Iron	Target	742		ug/L	742		1.0	YES	S3VEM
Lead	Target	11.4		ug/L	11.4		1.0	YES	S3VEM
Magnesium	Target	17100		ug/L	17100		1.0	YES	S3VEM
Manganese	Target	85.8		ug/L	85.8		1.0	YES	S3VEM
Nickel	Target	7.5		ug/L	7.5		1.0	YES	S3VEM
Potassium	Target	1920		ug/L	1920		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Sodium	Target	20100		ug/L	20100		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	7.8	J	ug/L	7.8	*	1.0	YES	S3VEM
Zinc	Target	126		ug/L	126		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5C5A	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Selenium	Spike	12.6		ug/L	12.6		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5C5D	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	293		ug/L	293		1.0	YES	S3VEM
Antimony	Target	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
Arsenic	Target	3.7		ug/L	3.7		1.0	YES	S3VEM
Barium	Target	103		ug/L	103		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	49300		ug/L	49300		1.0	YES	S3VEM
Chromium	Target	0.92	J	ug/L	0.92	J	1.0	YES	S3VEM
Cobalt	Target	0.61	J	ug/L	0.61	J	1.0	YES	S3VEM
Copper	Target	71.6		ug/L	71.6		1.0	YES	S3VEM
Iron	Target	749		ug/L	749		1.0	YES	S3VEM
Lead	Target	11.4		ug/L	11.4		1.0	YES	S3VEM
Magnesium	Target	17200		ug/L	17200		1.0	YES	S3VEM
Manganese	Target	86.5		ug/L	86.5		1.0	YES	S3VEM
Nickel	Target	7.7		ug/L	7.7		1.0	YES	S3VEM
Potassium	Target	1920		ug/L	1920		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Silver	Target	0.090	J	ug/L	0.090	J	1.0	YES	S3VEM
Sodium	Target	19900		ug/L	19900		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	7.9		ug/L	7.9		1.0	YES	S3VEM
Zinc	Target	130		ug/L	130		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5C5L	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	275		ug/L	275		5.0	YES	S3VEM
Antimony	Target	0.30	J	ug/L	0.30	J	5.0	YES	S3VEM
Arsenic	Target	3.2	J	ug/L	3.2	J	5.0	YES	S3VEM
Barium	Target	100		ug/L	100		5.0	YES	S3VEM
Beryllium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S3VEM
Cadmium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S3VEM
Calcium	Target	45800		ug/L	45800		5.0	YES	S3VEM
Chromium	Target	1.1	J	ug/L	1.1	J	5.0	YES	S3VEM
Cobalt	Target	0.55	J	ug/L	0.55	J	5.0	YES	S3VEM
Copper	Target	69.7		ug/L	69.7		5.0	YES	S3VEM
Iron	Target	686	J	ug/L	686	J	5.0	YES	S3VEM
Lead	Target	11.4		ug/L	11.4		5.0	YES	S3VEM
Magnesium	Target	16500		ug/L	16500		5.0	YES	S3VEM
Manganese	Target	81.3		ug/L	81.3		5.0	YES	S3VEM
Nickel	Target	8.0		ug/L	8.0		5.0	YES	S3VEM
Potassium	Target	1900	J	ug/L	1900	J	5.0	YES	S3VEM
Selenium	Target	25.0	U	ug/L	25.0	U	5.0	YES	S3VEM
Silver	Target	5.0	U	ug/L	5.0	U	5.0	YES	S3VEM
Sodium	Target	19200		ug/L	19200		5.0	YES	S3VEM
Thallium	Target	5.0	U	ug/L	5.0	U	5.0	YES	S3VEM
Vanadium	Target	6.8	J	ug/L	6.8	J*	5.0	YES	S3VEM
Zinc	Target	114		ug/L	114		5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5C5S	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Antimony	Spike	97.9		ug/L	97.9		1.0	YES	S3VEM
Arsenic	Spike	45.2		ug/L	45.2		1.0	YES	S3VEM
Barium	Spike	1930		ug/L	1930		1.0	YES	S3VEM
Beryllium	Spike	51.9		ug/L	51.9		1.0	YES	S3VEM
Cadmium	Spike	47.4		ug/L	47.4		1.0	YES	S3VEM
Chromium	Spike	207		ug/L	207		1.0	YES	S3VEM
Cobalt	Spike	523		ug/L	523		1.0	YES	S3VEM
Copper	Spike	329		ug/L	329		1.0	YES	S3VEM
Lead	Spike	31.3		ug/L	31.3		1.0	YES	S3VEM
Manganese	Spike	603		ug/L	603		1.0	YES	S3VEM
Nickel	Spike	532		ug/L	532		1.0	YES	S3VEM
Selenium	Spike	150		ug/L	150	*	1.0	YES	S3VEM
Silver	Spike	47.2		ug/L	47.2		1.0	YES	S3VEM
Thallium	Spike	48.8		ug/L	48.8		1.0	YES	S3VEM
Vanadium	Spike	512		ug/L	512		1.0	YES	S3VEM
Zinc	Spike	689		ug/L	689		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5D1	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW26-1-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	31.7		ug/L	31.7		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Arsenic	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
Barium	Target	255		ug/L	255		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	72300		ug/L	72300		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.32	J	1.0	YES	S3VEM
Cobalt	Target	0.060	J	ug/L	0.060	J	1.0	YES	S3VEM
Copper	Target	11.4		ug/L	11.4		1.0	YES	S3VEM
Iron	Target	302		ug/L	302		1.0	YES	S3VEM
Lead	Target	18.3		ug/L	18.3		1.0	YES	S3VEM
Magnesium	Target	12100		ug/L	12100		1.0	YES	S3VEM
Manganese	Target	2.4		ug/L	2.4		1.0	YES	S3VEM
Nickel	Target	0.79	J	ug/L	0.79	J	1.0	YES	S3VEM
Potassium	Target	1240		ug/L	1240		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	11100		ug/L	11100		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	9.6		ug/L	9.6	*	1.0	YES	S3VEM
Zinc	Target	393		ug/L	393		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5E2	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-6-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:58:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	11.2	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.090	J	1.0	YES	S3VEM
Arsenic	Target	4.9		ug/L	4.9		1.0	YES	S3VEM
Barium	Target	64.7		ug/L	64.7		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	43300		ug/L	43300		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.27	J	1.0	YES	S3VEM
Cobalt	Target	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Copper	Target	5.9		ug/L	5.9		1.0	YES	S3VEM
Iron	Target	200	U	ug/L	142	J	1.0	YES	S3VEM
Lead	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
Magnesium	Target	24900		ug/L	24900		1.0	YES	S3VEM
Manganese	Target	20.3		ug/L	20.3		1.0	YES	S3VEM
Nickel	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
Potassium	Target	1470		ug/L	1470		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.030	J	1.0	YES	S3VEM
Sodium	Target	16700		ug/L	16700		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	16.9		ug/L	16.9	*	1.0	YES	S3VEM
Zinc	Target	68.5	J	ug/L	68.5		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5E6	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: FB060619	pH: 2	Sample Date: 06/06/2019	Sample Time: 15:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	20.0	U	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Barium	Target	0.37	J	ug/L	0.37	J	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	21.3	J	ug/L	21.3	J	1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	0.70	J	ug/L	0.70	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	200	U	1.0	YES	S3VEM
Lead	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Magnesium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Manganese	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Nickel	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Potassium	Target	38.9	J	ug/L	38.9	J	1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	0.030	J	ug/L	0.030	J	1.0	YES	S3VEM
Sodium	Target	97.3	J	ug/L	97.3	J	1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Zinc	Target	12.5		ug/L	12.5		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5F6	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-1-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 12:38:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	24.3		ug/L	24.3		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.060	J	1.0	YES	S3VEM
Arsenic	Target	3.9		ug/L	3.9		1.0	YES	S3VEM
Barium	Target	29.1		ug/L	29.1		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	89500		ug/L	89500		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	1.1	J	1.0	YES	S3VEM
Cobalt	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Copper	Target	4.3		ug/L	4.3		1.0	YES	S3VEM
Iron	Target	330		ug/L	330		1.0	YES	S3VEM
Lead	Target	18.2		ug/L	18.2		1.0	YES	S3VEM
Magnesium	Target	27100		ug/L	27100		1.0	YES	S3VEM
Manganese	Target	21.4		ug/L	21.4		1.0	YES	S3VEM
Nickel	Target	0.81	J	ug/L	0.81	J	1.0	YES	S3VEM
Potassium	Target	1600		ug/L	1600		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	30000		ug/L	30000		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	11.9		ug/L	11.9	*	1.0	YES	S3VEM
Zinc	Target	50.3	J	ug/L	50.3		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5F7	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-2-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 12:38:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	15.6	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.090	J	1.0	YES	S3VEM
Arsenic	Target	4.1		ug/L	4.1		1.0	YES	S3VEM
Barium	Target	12.4		ug/L	12.4		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	105000		ug/L	105000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.56	J	1.0	YES	S3VEM
Cobalt	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Copper	Target	15.4		ug/L	15.4		1.0	YES	S3VEM
Iron	Target	336		ug/L	336		1.0	YES	S3VEM
Lead	Target	8.8		ug/L	8.8		1.0	YES	S3VEM
Magnesium	Target	31200		ug/L	31200		1.0	YES	S3VEM
Manganese	Target	14.6		ug/L	14.6		1.0	YES	S3VEM
Nickel	Target	4.4		ug/L	4.4		1.0	YES	S3VEM
Potassium	Target	1690		ug/L	1690		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Sodium	Target	32700		ug/L	32700		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	0.040	J	1.0	YES	S3VEM
Vanadium	Target	11.6		ug/L	11.6	*	1.0	YES	S3VEM
Zinc	Target	96.1		ug/L	96.1		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5F8	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-3-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 12:38:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	19.5	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Arsenic	Target	3.3		ug/L	3.3		1.0	YES	S3VEM
Barium	Target	19.4		ug/L	19.4		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	124000		ug/L	124000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.69	J	1.0	YES	S3VEM
Cobalt	Target	0.090	J	ug/L	0.090	J	1.0	YES	S3VEM
Copper	Target	4.8		ug/L	4.8		1.0	YES	S3VEM
Iron	Target	392		ug/L	392		1.0	YES	S3VEM
Lead	Target	4.9		ug/L	4.9		1.0	YES	S3VEM
Magnesium	Target	35800		ug/L	35800		1.0	YES	S3VEM
Manganese	Target	9.8		ug/L	9.8		1.0	YES	S3VEM
Nickel	Target	0.69	J	ug/L	0.69	J	1.0	YES	S3VEM
Potassium	Target	1830		ug/L	1830		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Sodium	Target	36600		ug/L	36600		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	11.6		ug/L	11.6	*	1.0	YES	S3VEM
Zinc	Target	39.3	J	ug/L	39.3		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5F9	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-4-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 12:38:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	7.8	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.11	J	1.0	YES	S3VEM
Arsenic	Target	3.5		ug/L	3.5		1.0	YES	S3VEM
Barium	Target	15.1		ug/L	15.1		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	144000		ug/L	144000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.43	J	1.0	YES	S3VEM
Cobalt	Target	0.090	J	ug/L	0.090	J	1.0	YES	S3VEM
Copper	Target	96.4		ug/L	96.4		1.0	YES	S3VEM
Iron	Target	470		ug/L	470		1.0	YES	S3VEM
Lead	Target	26.6		ug/L	26.6		1.0	YES	S3VEM
Magnesium	Target	43700		ug/L	43700		1.0	YES	S3VEM
Manganese	Target	25.6		ug/L	25.6		1.0	YES	S3VEM
Nickel	Target	83.7		ug/L	83.7		1.0	YES	S3VEM
Potassium	Target	1950		ug/L	1950		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Sodium	Target	40100		ug/L	40100		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	11.9		ug/L	11.9	*	1.0	YES	S3VEM
Zinc	Target	245		ug/L	245		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5G0	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-5-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 12:38:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	28.7		ug/L	28.7		1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Arsenic	Target	3.4		ug/L	3.4		1.0	YES	S3VEM
Barium	Target	19.2		ug/L	19.2		1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	144000		ug/L	144000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.48	J	1.0	YES	S3VEM
Cobalt	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
Copper	Target	3.3		ug/L	3.3		1.0	YES	S3VEM
Iron	Target	471		ug/L	471		1.0	YES	S3VEM
Lead	Target	4.9		ug/L	4.9		1.0	YES	S3VEM
Magnesium	Target	43300		ug/L	43300		1.0	YES	S3VEM
Manganese	Target	49.6		ug/L	49.6		1.0	YES	S3VEM
Nickel	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
Potassium	Target	1930		ug/L	1930		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Sodium	Target	39900		ug/L	39900		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	11.2		ug/L	11.2	*	1.0	YES	S3VEM
Zinc	Target	36.5	J	ug/L	36.5		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5G1	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-6-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 12:38:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	5.4	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Arsenic	Target	2.3		ug/L	2.3		1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	6.1	J	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	474000		ug/L	474000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
Copper	Target	3.8		ug/L	3.8		1.0	YES	S3VEM
Iron	Target	1440		ug/L	1440		1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	0.78	J	1.0	YES	S3VEM
Magnesium	Target	93800		ug/L	93800		1.0	YES	S3VEM
Manganese	Target	491		ug/L	491		1.0	YES	S3VEM
Nickel	Target	0.90	J	ug/L	0.90	J	1.0	YES	S3VEM
Potassium	Target	2950		ug/L	2950		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.080	J	1.0	YES	S3VEM
Sodium	Target	77600		ug/L	77600		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	8.4		ug/L	8.4	*	1.0	YES	S3VEM
Zinc	Target	16.8	J	ug/L	16.8		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5G2	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-7-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 12:38:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	4.1	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Arsenic	Target	2.5		ug/L	2.5		1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	6.4	J	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	507000		ug/L	507000	D	2.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.4	J	1.0	YES	S3VEM
Iron	Target	1530		ug/L	1530		1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	0.54	J	1.0	YES	S3VEM
Magnesium	Target	104000		ug/L	104000		1.0	YES	S3VEM
Manganese	Target	353		ug/L	353		1.0	YES	S3VEM
Nickel	Target	0.57	J	ug/L	0.57	J	1.0	YES	S3VEM
Potassium	Target	3140		ug/L	3140		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Sodium	Target	80500		ug/L	80500		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	6.0		ug/L	6.0	*	1.0	YES	S3VEM
Zinc	Target	8.9	J	ug/L	8.9		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5G3	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-8-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 12:38:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	4.3	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	0.050	J	1.0	YES	S3VEM
Arsenic	Target	2.5		ug/L	2.5		1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	6.2	J	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Calcium	Target	457000		ug/L	457000		1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	0.10	J	1.0	YES	S3VEM
Cobalt	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	1.2	J	1.0	YES	S3VEM
Iron	Target	1390		ug/L	1390		1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	0.46	J	1.0	YES	S3VEM
Magnesium	Target	113000		ug/L	113000		1.0	YES	S3VEM
Manganese	Target	271		ug/L	271		1.0	YES	S3VEM
Nickel	Target	0.73	J	ug/L	0.73	J	1.0	YES	S3VEM
Potassium	Target	3130		ug/L	3130		1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	0.070	J	1.0	YES	S3VEM
Sodium	Target	81900		ug/L	81900		1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	8.4		ug/L	8.4	*	1.0	YES	S3VEM
Zinc	Target	8.4	U	ug/L	8.4		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: MBE5H6	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location: FB06072019	pH: 2	Sample Date: 06/07/2019	Sample Time: 13:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	0.82	J	ug/L	0.82	J	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Barium	Target	0.48	J	ug/L	0.48	J	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
Calcium	Target	46.7	J	ug/L	46.7	J	1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	0.81	J	ug/L	0.81	J	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	200	U	1.0	YES	S3VEM
Lead	Target	0.090	J	ug/L	0.090	J	1.0	YES	S3VEM
Magnesium	Target	5.2	J	ug/L	5.2	J	1.0	YES	S3VEM
Manganese	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
Nickel	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Potassium	Target	44.7	J	ug/L	44.7	J	1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	130	J	ug/L	130	J	1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.0	U	ug/L	5.0	U*	1.0	YES	S3VEM
Zinc	Target	8.4		ug/L	8.4		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14030/MBE578** | **Lab Name: Chemtech Consulting Group**

Sample Number: PBW766	Method: Metals by ICP-MS	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aluminum	Target	20.0	U	ug/L	20.0	U	1.0	YES	S3VEM
Antimony	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Arsenic	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Barium	Target	10.0	U	ug/L	10.0	U	1.0	YES	S3VEM
Beryllium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Cadmium	Target	-0.21	J	ug/L	-0.21	J	1.0	YES	S3VEM
Calcium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Chromium	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Cobalt	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Copper	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM
Iron	Target	200	U	ug/L	200	U	1.0	YES	S3VEM
Lead	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Magnesium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Manganese	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Nickel	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Potassium	Target	500	U	ug/L	500	U	1.0	YES	S3VEM
Selenium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Silver	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Sodium	Target	15.3	J	ug/L	15.3	J	1.0	YES	S3VEM
Thallium	Target	1.0	U	ug/L	1.0	U	1.0	YES	S3VEM
Vanadium	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Zinc	Target	2.0	U	ug/L	2.0	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14030/MBE578	Lab Name: Chemtech Consulting Group

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.:48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 20 (Water)
Analysis: Metals (ICP-MS)

SDG No.: MBE578
Laboratory: Chemtech Consulting Group
Sampling dates: 6/4/2019 to 6/7/2019
Validation SOP: HW-3b (Rev 1)

QAPP
Contractor: EA Engineering, Science, and Technology, Inc., PBC
Reference: Contract No. W912DQ-16-D-3001, October 2017.

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Samples MBE5C2, MBE5C5, MBE5E2, MBE5F6, MBE5F8, MBE5G0, MBE5G1 and MBE5G2 have analytes that have been qualified J, J+ or J-.

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENT:	**One or more detected analytes** exceeded the project action levels for one or more samples.

Reviewer Name(s): Dharmesh Patel

Approver's Signature: **Date: 07/12/2019**

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: METALS ICP-MS

The current SOP HW-3b (Rev 1) September 2016, USEPA Region II for the evaluation of ICP-MS metals generated through Statement of Work ISOM02.2, and any future editorial revisions of ISOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi- Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time or pH (aqueous samples are not within the acceptable range, the data may not be valid. Those analytes detected in the samples whose holding time (180 days) or pH (≤2) have not been met, will be qualified as estimated, "J"; the non-detects will be flagged as unusable, "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. CALIBRATION

Method requirements for satisfactory instrument calibration are established to ensure that the instrument is capable of producing acceptable quantitative data for the metals on the Inorganic Target Analyte List (TAL). Initial Calibration Verification (ICV) demonstrates that the instrument is capable of acceptable performance at the beginning of the analytical run. Continuing Calibration Verification (CCV) demonstrates that the initial calibration is still valid by checking the performance of the instrument on a continuing basis.

A) INITIAL CALIBRATION

A blank and at least five calibration standards shall be used to establish each analytical curve. At least one of these standards shall be at or below the CRQL. The calibration curve shall be fitted using linear regression or weighted linear regression. The curve may be forced through zero. The curve must have a correlation coefficient ≥ 0.995. The percent differences calculated for all of the non-zero standards must be within ±30% of the true value of the standard. The y-intercept of the curve must be less than the CRQL. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) INITIAL AND CONTINUING CALIBRATION VERIFICATION

Immediately after each system has been calibrated, the accuracy of the initial calibration must be verified and documented for each target analyte by the analysis of an ICV solution(s). The CCV standard shall be analyzed at a frequency of every two hours during an analytical run. The CCV standard shall also be analyzed at the beginning of the run, and again after the last analytical sample. The percent recovery acceptable limits for ICV/CCV are 90 – 110%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. BLANK CONTAMINATION

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Calibration blanks (ICB and CCB) are used to ensure a stable instrument baseline before and during the analysis of analytical samples. The preparation blank is used to assess the level of contamination introduced to the analytical samples throughout the sample preparation process. Field and rinse blanks measure cross-contamination of samples during field operations. Qualifications were applied to the samples and analytes as shown below.

The following samples have analyte results greater than or equal to MDLs and less than or equal to CRQLs. The associated ICB analyte results are greater than or equal to MDLs and less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Aluminum MBE5A4.
Antimony MBE585, MBE588, MBE5A4, MBE5A5, MBE5B9, MBE5C2, MBE5C5, MBE5D1, MBE5E2, MBE5F6, MBE5F7, MBE5F8, MBE5F9, MBE5G0, MBE5G1, MBE5G2, MBE5G3.
Chromium MBE578, MBE585, MBE588, MBE5A5, MBE5B9, MBE5C2, MBE5C5, MBE5D1, MBE5E2, MBE5F6, MBE5F7, MBE5F8, MBE5F9, MBE5G0, MBE5G3.
Lead MBE5G1, MBE5G2, MBE5G3.
Thallium MBE5A4, MBE5F7.

The following samples have analyte results less than or equal to CRQLs. The associated CCB analyte results are less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Aluminum MBE578, MBE585, MBE588, MBE5A4, MBE5A5, MBE5B9, MBE5C2, MBE5E2, MBE5F7, MBE5F8, MBE5F9, MBE5G1, MBE5G2, MBE5G3.
Antimony MBE585, MBE588, MBE5A4, MBE5A5, MBE5B9, MBE5C2, MBE5C5, MBE5D1, MBE5E2, MBE5F6, MBE5F7, MBE5F8, MBE5F9, MBE5G0, MBE5G1, MBE5G2, MBE5G3.
Barium MBE5G1, MBE5G2, MBE5G3.
Copper MBE588, MBE5B9, MBE5G2, MBE5G3.
Chromium MBE578, MBE5B9, MBE5C2, MBE5C5, MBE5D1, MBE5E2, MBE5F6.
Iron MBE578, MBE585, MBE5A4, MBE5A5, MBE5B9, MBE5C2, MBE5E2.
Lead MBE5G1, MBE5G2, MBE5G3.
Manganese MBE578.
Silver MBE585, MBE588, MBE5A5, MBE5B9, MBE5C2, MBE5C5, MBE5E2, MBE5F7, MBE5F8, MBE5F9, MBE5G0, MBE5G1, MBE5G2, MBE5G3.
Thallium MBE5A4, MBE5F7.

Field Blank: MBF5E6 and MBE5H6.

The following samples have analyte results greater than or equal to MDLs and less than or equal to CRQLs. The associated field blank analyte results are greater than or equal to MDLs and less than or equal to CRQLs. Detects are qualified as U. Sample results are reported at CRQLs.

Aluminum MBE5F7, MBE5F8, MBE5F9, MBE5G1, MBE5G2, MBE5G3.
Barium MBE5G1, MBE5G2, MBE5G3.
Copper MBE5B9, MBE5G2, MBE5G3.
Lead MBE5G1, MBE5G2, MBE5G3.
Silver MBE5B9, MBE5C2, MBE5C5, MBE5E2.

The following samples have analyte results greater than CRQL but less than field blank analyte results. The associated field blank analyte results are greater than CRQLs. Detects are qualified as U and reported at level of blank result.

Zinc MBE5B9, MBE5G3.

The following samples have analyte results greater than CRQL but less than 10X field blank analyte results. The associated field blank analyte results are greater than CRQLs. Detects are qualified J.

Zinc MBE5C2, MBE5E2, MBE5F6, MBE5F8, MBE5G0, MBE5G1, MBE5G2.

4. **INTERFERENCE CHECK SAMPLE**

The Interference Check Sample (ICS) verifies the analytical instrument's ability to overcome interferences typical of those found in samples. The laboratory should have analyzed and reported ICS results for all elements being reported from the analytical run and for all interferents (target and non-target) for these reported elements. The ICS consists of two solutions: Solution A and Solution AB. Solution A consists of the interferents, and Solution AB consists of the analytes mixed with the interferents. Results for the analysis of ICS Solution must fall within the control limits of ± 20% or ±2X CRQL (whichever is greater) of the true value for the analytes and interferents included in the solution. If results that are ≥ MDL are observed for analytes that are not present in the ICS solution, the possibility of false positives exists. If negative results are observed for analytes that are not present in the ICS solution, and their absolute value is ≥ MDL, the possibility of false negatives in the samples exists. In general, ICP sample data can be accepted if the concentrations of Al, Ca, Fe, and Mg in the sample are found to be less than or equal to their respective concentrations in the ICS. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. SPIKE SAMPLE ANALYSIS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The spike Percent Recovery (%R) shall be within the established acceptance limits of 75 – 125%. However, spike recovery limits do not apply when the sample concentration is ≥ 4x the spike added. For a matrix spike analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the matrix spike sample.

The following sample has matrix spike recovery greater than 125% and the post digestion spike sample has percent recovery greater than 125%. Detects are qualified J+. Nondetects are not qualified.

Selenium MBE5C5.

6. DUPLICATE SAMPLE ANALYSIS

The objective of duplicate sample analysis is to demonstrate acceptable method precision by the laboratory at the time of analysis. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or

duplicate value is < 5x the CRQL. For a duplicate sample analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the duplicate sample.

No problems were found for this criterion.

7. FIELD DUPLICATE

Field duplicates may be taken and analyzed as an indication of overall precision. These analyses measure both field and laboratory precision. A control limit of 20% for the Relative Percent Difference (RPD) shall be used for original and duplicate sample values ≥ five times (5x) the Contract Required Quantitation Limit (CRQL). A control limit of the CRQL shall be used if either the sample or duplicate value is < 5x the CRQL. For field duplicates analysis that does not meet the technical criteria, the action was applied to only the field sample and it's duplicate.

The duplicate or the parent sample of the field duplicate was not identified in this SDG.

8. LABORATORY CONTROL SAMPLE

The Laboratory Control Sample (LCS) serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. Aqueous/water, soil/sediment, wipe, and filter LCSs shall be analyzed for each analyte utilizing the same sample preparations, analytical methods, and Quality Assurance/Quality Control (QA/QC) procedures as employed for the samples. All LCS Percent Recoveries (%R) must fall within the control limits of 70-130%, except for Sb and Ag which must fall within the control limits of 50-150%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

9. ICP SERIAL DILUTION

The serial dilution of samples quantitated by Inductively Coupled Plasma determines whether or not significant physical or chemical interferences exist due to sample matrix. If the analyte concentration is sufficiently high [concentration in the original sample is > 50 times (50x) the Method Detection Limit (MDL)], the Percent Difference (%D) between the original determination and the serial dilution analysis (a five-fold dilution) after correction for dilution shall be less than 10. For a serial dilution analysis that does not meet the technical criteria, the action was applied to only the field sample used to prepare the serial dilution sample.

The following ICP-MS Serial Dilution (SD) aqueous sample has percent difference (%D) greater than 10% and initial sample results are greater than 50xMDLs. Detects are qualified J.

Vanadium MBE5C5.

10. ICP-MS TUNE ANALYSIS

The Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) tune serves as an initial demonstration of instrument stability and precision. Prior to calibration, the laboratory shall analyze or scan the ICP-MS tuning solution at least five times (5x) consecutively. The tuning solution contains 100 µg/L of Be, Mg, Co, In, and Pb. The solution shall contain all required isotopes of the above elements. The laboratory shall make any adjustments necessary to bring peak width within the instrument manufacturer's specifications and adjust mass resolution to within 0.1 u over the range of 6-210 u. The Percent Relative Standard Deviation (%RSD) of the

absolute signals for all analytes in the tuning solution must be < 5%. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

11. ICP-MS INTERNAL STANDARDS

The analysis of Inductively Coupled Plasma-Mass Spectrometry (ICP-MS) internal standards determines the existence and magnitude of instrument drift and physical interferences. The criteria for evaluation of internal standard results apply to all analytical and Quality Control (QC) samples analyzed during the run, beginning with the calibration.
All samples analyzed during a run, with the exception of the ICP-MS tune, shall contain internal standards. A minimum of five internal standards shall be added to each sample. The laboratory shall monitor the same internal standards throughout the entire analytical run and shall assign each analyte to at least one internal standard. The Percent Relative Intensity (%RI) in the sample shall fall within 60-125% of the response in the calibration blank. If the %RI of the response in the sample falls outside of these limits, the laboratory shall reanalyze the original sample at a two-fold dilution with internal standard added. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

12. PERCENT SOLIDS

The laboratory is required to perform the percent solids determination prior to sample preparation and analysis. All results of a sample with percent solids less than 50% are qualified estimated, "J". Qualifications were applied to the samples and analytes as shown below.

Not applicable.

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Shealy Environmental Services

Laboratory Analytical Reports

1. BE5A1 Analytical Report (FB060419, ERT5-6, ERT6-5, FB060519, MW24-1, MW24-2, MW24-3, MW24-4, MW24-5 MW24.6, MW22-3, ERT7-1, ERT7-2, ERT7-3, ERT7-4, FD060619, ERT7-5, MW26-1, MW26-6, FB060619)
2. BE5A1 Data Validation Report
3. BE5A2 Analytical Report (MW20-2, MW20-3, MW20-4, MW20-5, MW20-6, MW20-7, MW20-8, FD060519-1, FD060519-2, MW13-1, MW13-2, MW13-3, MW13-4, MW13-5, MW13-6, MW13-7, FD060519-3, MW22-1, MW22-2, MW22-4)
4. BE5A2 Data Validation Report
5. BE5C6 Analytical Report (ERT3-1, ERT3-2, ERT3-3, ERT3-5, ERT3-6, MW26-2, MW26-2, MW26-3, MW26-4, MW26-5, MW23-1, MW23-2, MW23-3, MW23-4, MW23-5, MW23-6, MW23-7, MW23-8, MW23-9, TB060619)
6. BE5C6 Data Validation Report
7. BE5E8 Analytical Report (MW20-5, MW20-6, ERT4-1, ERT4-2, ERT4-3, ERT4-5, ERT4-6, ERT4-7, FD061219-2, MW25-1, MW27-1, MW27-2, MW27-3, MW27-4, MW27-5, TB061119-1, TB061219, ERT4-4, FB061219)
8. BE5E8 Data Validation Report
9. BE5G5 Analytical Report (MW25-2, MW25-3, MW25-4, MW25-5, MW25-6, ERT8-1, ERT8-2, ERT8-3, ERT8-5, ERT8-6, ERT8-7, TB061119-2, MW21-1, MW21-2, MW21-3, MW21-4, MW21-5, MW21-6, MW21-7, MW21-8
10. BE5G5 Data Validation Report
11. BE5H5 Analytical Report (ERT3-3, MW02A, ERT1-1, ERT1-2, ERT1-3, ERT1-4, ERT1-5, FD061019, ERT1-6, ERT1-7, ERT1-8, MW10, MW15S-1, MW15S-2, MW15D-1, MW15D-2, MW05, MW09, FB061019, MW08)
12. BE5H5 Data Validation Report
13. BE5J7 Analytical Report (FB061119, FWP-2 FWP-8, FWP-9, MW07, ERT2-1, ERT2-2, ERT2-4, ERT2-5, ERT2-6, ERT2-7, MW17-1, MW17-2, MW17-3, MW14S-2, MW142-3, FD061219-1, MW14D-1, MW14D-2, MW14D-3)
14. BE5J7 Data Validation Report
15. BE5K3 Analytical Report (MW03, MW04, MW01A, MW16-1, MW16-2, MW16-3, MW16-4, MW16-5, MW16-6, MW16-7, FD061119, MW06, MW12, MW11, FWP-1, FWP-3, FWP-4, FWP-5, FWP-6, FWP-7)
16. BE5K3 Data Validation Report
17. BE5S6 Analytical Report (MW20-6, TB062119)
18. BE5S6 Data Validation Report
19. BE570 Analytical Report (TB060419, ERT5-1, ERT5-2, ERT5-3, ERT5-4, ERT5-5, MW18-1, MW18-2, ERT6-1, ERT6-2, ERT6-3, ERT6-4, MW19-1, MW19-2, MW19-3, MW19-4, MW19-5, MW19-6, MW19-7, MW20-1)
20. BE570 Data Validation Report

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ABLK57	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ALCS57	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE567	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FB060419	pH: 8	Sample Date: 06/04/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE567	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FB060419	pH: 2	Sample Date: 06/04/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.9	J	ug/L	1.9	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	2.5		ug/L	2.5		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.42	J	ug/L	0.42	J	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.084	J	ug/L	0.084	J	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.54	J	ug/L	0.54	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE576	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT5-6-S19	pH: 8	Sample Date: 06/04/2019	Sample Time: 12:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE576	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT5-6-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	2.0	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	8.6		ug/L	8.6		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.54		ug/L	0.54		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.60	J	ug/L	0.60	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE583	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT6-5-S19	pH: 8	Sample Date: 06/04/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.22	U	ug/L	0.22	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE583	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT6-5-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.063	J	ug/L	0.063	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.060	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.057	J	ug/L	0.057	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.39	J	ug/L	0.39	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.60	J	ug/L	0.60	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FB060519	pH: 8	Sample Date: 06/05/2019	Sample Time: 15:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FB060519	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.6	J	ug/L	1.6	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	2.6		ug/L	2.6		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.44	J	ug/L	0.44	J	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.087	J	ug/L	0.087	J	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW24-1-S19	pH: 8	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW24-1-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	1.8	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.28	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.081	J	ug/L	0.081	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50		ug/L	0.50		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW24-2-S19	pH: 8	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW24-2-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	2.8		ug/L	2.8		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	3.3	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.45	J	ug/L	0.45	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.062	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	6.4		ug/L	6.4		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.036	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	6.8		ug/L	6.8		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B2	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW24-3-S19	pH: 8	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW24-3-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	4.9		ug/L	4.9		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	2.3	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.49	J	ug/L	0.49	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.35	J	ug/L	0.35	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	3.2		ug/L	3.2		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B3	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW24-4-S19	pH: 8	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW24-4-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.96		ug/L	0.96		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	1.5	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.061	J	ug/L	0.061	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.53	J	ug/L	0.53	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B4	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW24-5-S19	pH: 8	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW24-5-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.20	J	ug/L	0.20	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	2.3	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.043	J	ug/L	0.043	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW24-6-S19	pH: 8	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW24-6-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:18:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	3.9		ug/L	3.9		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B8	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW22-3-S19	pH: 8	Sample Date: 06/06/2019	Sample Time: 09:43:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW22-3-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 09:43:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	6.4		ug/L	6.4		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.33	J	ug/L	0.33	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.20	J	ug/L	0.20	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	100		ug/L	100	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	0.59		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.54		ug/L	0.54		1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.40	J	ug/L	0.40	J	1.0	YES	S3VEM
Trichloroethene	Target	28		ug/L	28	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.073	J	ug/L	0.073	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT7-1-S19	pH: 8	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT7-1-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.083	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.075	J	ug/L	0.075	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT7-2-S19	pH: 8	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT7-2-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.45	J	ug/L	0.45	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	0.72		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C2	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT7-3-S19	pH: 8	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.21	U	ug/L	0.21	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT7-3-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	0.50		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.77		ug/L	0.77		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C3	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT7-4-S19	pH: 8	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT7-4-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.69		ug/L	0.69		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.32	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	4.5		ug/L	4.5		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.055	J	ug/L	0.055	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C4	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FD060619	pH: 8	Sample Date: 06/06/2019	Sample Time: 12:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FD060619	pH: 2	Sample Date: 06/06/2019	Sample Time: 12:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.66		ug/L	0.66		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.29	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	5.5		ug/L	5.5		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.061	J	ug/L	0.061	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT7-5-S19	pH: 8	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT7-5-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	3.8		ug/L	3.8		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	5.8		ug/L	5.8		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.035	J	ug/L	0.035	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C5MS	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH: 8	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	1.6		ug/L	1.6		1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	1.5		ug/L	1.5		1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C5MSD	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH: 8	Sample Date: 06/06/2019	Sample Time: 10:51:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	1.6		ug/L	1.6		1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	1.5		ug/L	1.5		1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW26-1-S19	pH: 8	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW26-1-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.65		ug/L	0.65		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.1		ug/L	9.1		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	2.1		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	6.0		ug/L	6.0		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.039	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.070	J	ug/L	0.070	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Difluorochloromethane	TIC	0.76	NJ	ug/L	0.76	NJ	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D6	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW26-6-S19	pH: 8	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW26-6-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.19	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.47	J	ug/L	0.47	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E6	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FB060619	pH: 8	Sample Date: 06/06/2019	Sample Time: 15:20:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FB060619	pH: 2	Sample Date: 06/06/2019	Sample Time: 15:20:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.7	J	ug/L	1.7	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.37	J	ug/L	0.37	J	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.070	J	ug/L	0.070	J	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKLK	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKME	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKMS	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKNL	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKNZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.049	J	ug/L	0.049	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A1** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5A1	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 20 (Water)
Analysis: TVOA, ARO (MA# 2720.2)

SDG No.: BE5A1
Laboratory: Shealy Environmental
Sampling dates: 06/04/2019-06/06/2019
Validation SOP: HW-34A (Rev 1), HW-37A (Rev 0)

QAPP:
Contractor: EA Engineering, Science, and Technology, Inc., PCB
Reference: CN: W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None.

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
VOA: BE5E6

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	**TVOA:** One or more detected and non-detected analytes have exceeded or equal to project action levels for one or more samples.

Reviewer Name(s): Walter Mager, Jennifer Elliott

Approver's Signature:

Date: 07/18/2019

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Revision 1) September 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2 and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degree or below 2 degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev 1) to all the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

The following volatile samples have common contaminant analyte concentrations reported less than the CRQL. The associated method blank has common contaminant analyte concentration less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BE5D1

B) Field or rinse blank contamination: BE567, BE5E6, BE5A1

No qualification required due to field blank contamination.

C) Trip blank contamination: BE5E7, BE570

The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated trip blank has common contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Acetone BE576, BE5B0, BE5B1, BE5B2, BE5B3, BE5B4

The following volatile samples have common contaminant analyte concentrations reported less than the CRQL. The associated trip blank has common contaminant analyte concentration less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BE5B1

The following trace volatile samples have analyte concentrations reported greater than or equal to the CRQL and less than or equal to trip blank concentration. The associated trip blank has analyte concentration greater than the CRQL. Trip blank values have been reported for sample concentration and have been qualified U. Non-detected compounds are not qualified.

Chloroform BE5B8, BE5C1, BE5C2, BE5D1

The following trace volatile samples have common contaminant analyte concentrations reported less than the CRQL. The associated trip blank has common contaminant analyte concentration greater than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Chloroform BE5B0, BE5B1, BE5C0, BE5C3, BE5C4, BE5D6, BE583

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for VOA organic fractions are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial calibration, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev 1) for all target analytes. For the Initial Calibration Verification ICV/opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an ICV/opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

Trichloroethene BE5E6

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BE5C3/BE5C4

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were used for one or more analytes.
BE5B8DL

ANALYSIS: ARO

The current SOP HW-37A (Revision 0) June 2015, USEPA Region II for the evaluation of ARO data generated through Statement of Work SOM02.2 and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Revision 0), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BE567, BE5A1, BE5E6

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

For the ARO fraction, if %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and 30% for the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BE5C3/BE5C4

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
> 50% (ARO value < CRQL, value raised to CRQL)	U
> 200%	R

The following sample were qualified for % difference on the two columns.

None.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE592	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-2-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 09:52:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.2		ug/L	1.2	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.75		ug/L	0.75		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.77		ug/L	0.77		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	120		ug/L	120	D	20.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.23	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	140		ug/L	140	D	20.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
Tetrachloroethene	Target	2.0		ug/L	2.0		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.069	J	ug/L	0.069	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.77	J	ug/L	0.77	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE593	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-3-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 09:52:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.3		ug/L	1.3	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.75		ug/L	0.75		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	95		ug/L	95	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.26	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	240		ug/L	240	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
Tetrachloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE594	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-4-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 09:52:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.5		ug/L	1.5	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	4.0		ug/L	4.0		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.41	J	ug/L	0.41	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	300		ug/L	300	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.27	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.061	J	ug/L	0.061	J	1.0	YES	S3VEM
Benzene	Target	0.074	J	ug/L	0.074	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	140		ug/L	140	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Tetrachloroethene	Target	0.85		ug/L	0.85		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.95	J	ug/L	0.95	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE595	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-5-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 11:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.8		ug/L	1.8	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50		ug/L	0.50		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	240		ug/L	240	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.32	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Benzene	Target	0.061	J	ug/L	0.061	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	290		ug/L	290	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Tetrachloroethene	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	1.1	J	ug/L	1.1	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE596	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-6-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 11:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	1.5	J	ug/L	1.5	J DB	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.96	J	ug/L	0.96	J D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	160		ug/L	160	E D	5.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	0.50	J D	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	630	J	ug/L	630	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	1.7	J	ug/L	1.7	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE597	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-7-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 11:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.49	J	ug/L	0.49	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	110		ug/L	110	D	20.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.49	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.092	J	ug/L	0.092	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	31		ug/L	31	D	20.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.49	J	ug/L	0.49	J	1.0	YES	S3VEM
Tetrachloroethene	Target	3.6		ug/L	3.6		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.039	J	ug/L	0.039	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.60	J	ug/L	0.60	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE598	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-8-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 11:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.59		ug/L	0.59	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.44	J	ug/L	0.44	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	38		ug/L	38	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.29	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.090	J	ug/L	0.090	J	1.0	YES	S3VEM
Benzene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	280		ug/L	280	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.59		ug/L	0.59		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE599	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FD060519-1	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.5		ug/L	1.5	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	2.6		ug/L	2.6		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.38	J	ug/L	0.38	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.20	J	ug/L	0.20	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	310		ug/L	310	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.27	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.059	J	ug/L	0.059	J	1.0	YES	S3VEM
Benzene	Target	0.073	J	ug/L	0.073	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	150		ug/L	150	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
Tetrachloroethene	Target	0.77		ug/L	0.77		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	1.2	J	ug/L	1.2	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FD060519-2	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.22	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.079	J	ug/L	0.079	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-1-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0		ug/L	5.0	D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.40	J	ug/L	0.40	J D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.1	J	ug/L	2.1	J D	5.0	YES	S3VEM
1,1-Dichloroethane	Target	0.87	J	ug/L	0.87	J D	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	120		ug/L	120	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	42		ug/L	42	D	5.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	0.39	J	ug/L	0.39	J D	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.20	J	ug/L	0.20	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-2-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	2.4		ug/L	2.4		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.65		ug/L	0.65		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	140		ug/L	140	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.089	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.070	J	ug/L	0.070	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	60		ug/L	60	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.094	J	ug/L	0.094	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.085	J	ug/L	0.085	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-3-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	12	J+	ug/L	12		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.63	J+	ug/L	0.63		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	4.4		ug/L	4.4		1.0	YES	S3VEM
1,1-Dichloroethane	Target	2.0		ug/L	2.0		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250		ug/L	250	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	2.6	U	ug/L	0.93		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.57		ug/L	0.57		1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.76		ug/L	0.76		1.0	YES	S3VEM
Trichloroethene	Target	130		ug/L	130	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.082	J	ug/L	0.082	J	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-4-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	13	J+	ug/L	13		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	1.5	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.56	J+	ug/L	0.56		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	4.7		ug/L	4.7		1.0	YES	S3VEM
1,1-Dichloroethane	Target	2.0		ug/L	2.0		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250		ug/L	250	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	1.8	U	ug/L	1.2		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.78		ug/L	0.78		1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.085	J	ug/L	0.085	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.87		ug/L	0.87		1.0	YES	S3VEM
Trichloroethene	Target	140		ug/L	140	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.35	J	ug/L	0.35	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-5-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.4		ug/L	5.4		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.46	J	ug/L	0.46	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	5.1		ug/L	5.1		1.0	YES	S3VEM
1,1-Dichloroethane	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	200		ug/L	200	D	20.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	1.8	U	ug/L	0.71		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.074	J	ug/L	0.074	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.80		ug/L	0.80		1.0	YES	S3VEM
Trichloroethene	Target	120		ug/L	120	D	20.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.10	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.69		ug/L	0.69		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.089	J	ug/L	0.089	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-6-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	12	J+	ug/L	12		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.38	J+	ug/L	0.38	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	6.3		ug/L	6.3		1.0	YES	S3VEM
1,1-Dichloroethane	Target	2.0		ug/L	2.0		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	88		ug/L	88	D	20.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	1.8	U	ug/L	0.77		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Trichloroethene	Target	66		ug/L	66	D	20.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.047	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.066	J	ug/L	0.066	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW13-7-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 15:22:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.38	J	ug/L	0.38	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	5.2		ug/L	5.2		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.46	J	ug/L	0.46	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	6.4		ug/L	6.4		1.0	YES	S3VEM
1,1-Dichloroethane	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	61		ug/L	61	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.21	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.37	J	ug/L	0.37	J	1.0	YES	S3VEM
Trichloroethene	Target	56		ug/L	56	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.052	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.77		ug/L	0.77		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5A9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FD060519-3	pH: 2	Sample Date: 06/05/2019	Sample Time: 16:20:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	11	J+	ug/L	11		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.68	J+	ug/L	0.68		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	4.6		ug/L	4.6		1.0	YES	S3VEM
1,1-Dichloroethane	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	230		ug/L	230	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	1.8	U	ug/L	1.1		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.64		ug/L	0.64		1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.085	J	ug/L	0.085	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.82		ug/L	0.82		1.0	YES	S3VEM
Trichloroethene	Target	130		ug/L	130	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.081	J	ug/L	0.081	J	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW22-1-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 09:43:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.54		ug/L	0.54		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW22-2-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 09:43:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	26		ug/L	26	D	5.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	4.6		ug/L	4.6		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.045	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5B9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW22-4-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 09:43:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	10	J+	ug/L	10		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.63		ug/L	0.63		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.60	J+	ug/L	0.60		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	220		ug/L	220	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.23	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.76		ug/L	0.76		1.0	YES	S3VEM
Trichloroethene	Target	9.9		ug/L	9.9		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.20	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.060	J	ug/L	0.060	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.33	J	ug/L	0.33	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKME	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKMS	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKNL	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKNZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.049	J	ug/L	0.049	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKOK	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.46	J	ug/L	0.46	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5A2** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.4	J	ug/L	1.4	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5A2	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 20 (Water)
Analysis: TVOA

SDG No.: BE5A2
Laboratory: Shealy Environmental Service
Sampling dates: 6/05/2019-6/06/2019
Validation SOP: HW-34A (Rev 1)

QAPP:
Contractor: EA Engineering, Science, and Technology, Inc., PBC
Reference: Contract No.: W912DQ-16-D-300

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
Samples BE596DL, BE5A5, BE5A7, BE5A9 and BE5B9 have analytes that have been qualified "J", "J+" or "J- ".

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	One or more detected and non-detected analytes have exceeded the project action levels for one or more samples in the TVOA analysis. Trichloroethene and cis-1,2-Dichloroethene results exceeded the project action levels more than 100 folds for one or more samples.

Reviewer Name(s): Reginald St-Juste

Approver's Signature:

Date: 07/15/2019

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Revision 1) September 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degrees or below 2-degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev 1) to all the samples and analytes as shown below.

The following samples have DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Non-detects are not qualified.

1,1-Dichloroethene-d2 BE5A4, BE5A5, BE5A7, BE5A9 and BE5B9
Trans-1,2-Dichloroethene, cis-1,2-Dichloroethene and1,1-Dichloroethene

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

The following volatile samples have contaminant analytes concentrations reported less than CRQL. The associated method blank has contaminant analytes concentration less than CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Toluene BE5A0, BE5A6, BE5A7, BE5A8, BE5B9, BE5A3DL, BE5A4DL, BE5A6DL and BE5A8DL

B) Field or rinse blank contamination: BE5A1 and BE5E6

The following volatile samples have contaminant analytes concentrations reported less than CRQL. The associated field blank has contaminant analytes concentration greater than CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Chloroform BE592, BE593, BE594, BE595, BE596, BE597, BE598, BE599, BE5A3, BE5A8, BE5B7 and BE5B9

The following volatile samples have contaminant analytes concentrations reported greater than CRQL and less than or equal to the blank concentration. The associated field blank has contaminant analytes concentration greater than CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the blank value.

Chloroform BE5A4, BE5A5, BE5A6, BE5A7, and BE5A9

C) Trip blank contamination: BE5E7

No additional qualification due to trip blank contamination.

D) Storage Blank associated with TVOA samples only:

The following volatile sample has common contaminant analyte concentrations reported less than 2x the CRQL. The associated storage blank has contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Acetone BE5A5

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria,

detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

Trichloroethene BE592, BE593, BE594, BE595, BE596, BE596DL, BE598, and BE599

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev 1) of the associated continuing calibration

internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BE594 and BE599/ BE5A5 and BE5A9

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were used for several analytes:
BE592DL, BE593DL, BE594DL, BE595DL, BE596DL, BE597DL, BE598DL, BE599DL, BE5A2DL, BE5A3DL, BE5A4DL, BE5A5DL, BE5A6DL, BE5A7DL, BE5A8DL, BE5A9DL, BE5B7DL and BE5B9DL

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT3-1-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 08:44:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.091	J	ug/L	0.091	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.067	J	ug/L	0.067	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.037	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT3-2-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 08:44:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT3-3-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 08:44:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.075	J	ug/L	0.075	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.38	J	ug/L	0.38	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11		ug/L	11		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	26		ug/L	26	D	5.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5C9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT3-5-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 08:44:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.41	J	ug/L	0.41	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50		ug/L	0.50		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	2.2		ug/L	2.2		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.68		ug/L	0.68		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	280		ug/L	280	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.60	U	ug/L	0.60		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	36		ug/L	36	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.55		ug/L	0.55		1.0	YES	S3VEM
Tetrachloroethene	Target	5.2		ug/L	5.2		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT3-6-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 08:44:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.35	J	ug/L	0.35	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.58		ug/L	0.58		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	230		ug/L	230	D	50.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.47	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.098	J	ug/L	0.098	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	26		ug/L	26	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
Tetrachloroethene	Target	4.1		ug/L	4.1		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW26-2-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8.8		ug/L	8.8		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	1.6	U	ug/L	1.6		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.094	J	ug/L	0.094	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
Benzene	Target	0.099	J	ug/L	0.099	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	5.2		ug/L	5.2		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.050	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Difluorochloromethane	TIC	0.96	NJ	ug/L	0.96	NJ	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW26-3-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	3.3		ug/L	3.3		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.34	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.067	J	ug/L	0.067	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	5.2		ug/L	5.2		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.070	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW26-4-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.7		ug/L	5.7		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.47	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.094	J	ug/L	0.094	J	1.0	YES	S3VEM
Benzene	Target	0.066	J	ug/L	0.066	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	6.2		ug/L	6.2		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.064	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW26-5-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:28:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.72		ug/L	0.72		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.16	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.077	J	ug/L	0.077	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.060	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-1-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 13:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.037	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.073	J	ug/L	0.073	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-2-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 13:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.27	J	ug/L	0.27	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	6.5		ug/L	6.5		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.038	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5D9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-3-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 13:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8.8		ug/L	8.8		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	6.2		ug/L	6.2		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.039	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.77		ug/L	0.77		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-4-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 13:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	2.7		ug/L	2.7		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.94		ug/L	0.94		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.052	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.48	J	ug/L	0.48	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-5-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 13:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.45	J	ug/L	0.45	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.5		ug/L	5.5		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.40	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	18		ug/L	18	D	5.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.036	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.45	J	ug/L	0.45	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-6-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.67		ug/L	0.67		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.073	J	ug/L	0.073	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11		ug/L	11		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50		ug/L	0.53		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	17		ug/L	17		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.068	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.083	J	ug/L	0.083	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-7-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	13		ug/L	13		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50		ug/L	0.78		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.087	J	ug/L	0.087	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	42		ug/L	42	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.040	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-8-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	12		ug/L	12		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.28	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	12		ug/L	12		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.22	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.057	J	ug/L	0.057	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW23-9-S19	pH: 2	Sample Date: 06/06/2019	Sample Time: 14:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.55		ug/L	0.55		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	29		ug/L	29	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.15	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	170		ug/L	170	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.072	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.053	J	ug/L	0.053	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB060619	pH: 2	Sample Date: 06/06/2019	Sample Time: 15:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	2.2	J	ug/L	2.2	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7		ug/L	6.7		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.060	J	ug/L	0.060	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKNL	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKNZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.049	J	ug/L	0.049	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKOK	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.46	J	ug/L	0.46	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKOX	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKQQ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5C6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5C6	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 19 (Water)
Analysis: TVOA

SDG No.: BE5C6
Laboratory: Shealy Environmental Service
Sampling dates: 06/06/2019
Validation SOP: HW-34A (Rev 1)

QAPP:
Contractor: EA Engineering, Science, and Technology, Inc., PBC
Reference: Contract No.: W912DQ-16-D-300

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
None

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	One or more detected and non-detected analytes have exceeded the project action levels for one or more samples in the TVOA analysis. Trichloroethene exceeded the project action levels more than 100 folds sample BE5E5.

Reviewer Name(s): Russell Arnone

Approver's Signature:

Date: 07/23/2019

Name:
Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Revision 1) September 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degrees or below 2-degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev 1) to all the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination.

Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

The following volatile samples have contaminant analytes concentrations reported less than CRQL. The associated method blank has contaminant analytes concentration less than CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Toluene BE5C6, BE5D2, BE5D3, BE5D4, BE5D5

B) Field or rinse blank contamination: BE5E6

Results qualified under trip blank qualifications.

C) Trip blank contamination: BE5E7

Tolune is reported in trip blank less than CRQL. Sample results less than CRQL are reported at CRQL as U.
BE5C6, BE5D2, BE5D3, BE5D4, BE5D5, BE5D8, BE5D9,BE5E0, BE5E1, BE5E2, BE5E3, BE5E4, BE5E5

Chloroform is reported in trip blank greater than CRQL. Sample results less than CRQL are reported CRQL U. Sample results reported greater than CRQL and less than trip blank are reported as value reported and U.

BE5C9, BE5D0, BE5D2, BE5D3, BE5D4, BE5D5, BE5D7, BE5E1, BE5E2, BE5E3, BE5E4, BE5E5

D) Storage Blank associated with TVOA samples only:

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration

is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the

range as specified in Table 9 of SOP HW 34A (Rev 1) of the associated continuing calibration

internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

No problems were identified.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were used for several analytes:
BE5C8DL, BE5C9DL, BE5D0DL, BE5E1DL, BE5E3DL, BE5E5DL

BE5C8, BE5C9, BE5D0, BE5E1, BE5E3, BE5E5, required a dilution for Trichloroethene. BE5C9, BE5D0, BE5E5 required dilution for Trichloroethene, and cis-1,2- Dichloroethene.

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ABLK17	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ALCS17	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.22		ug/L	0.22		1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE595	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-5-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	1.8	J	ug/L	1.8	J D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.6		ug/L	5.6	D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	330		ug/L	330	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	0.21	J	ug/L	0.21	J D	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	170		ug/L	170	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	0.20	J	ug/L	0.20	J D	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.23	J	ug/L	0.23	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Unknown-02	TIC	3.4	J D	ug/L	3.4	J D	5.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-01	TIC	8.2	J D	ug/L	8.2	J D	5.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE596	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-6-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	1.7	J	ug/L	1.7	J D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.9		ug/L	5.9	D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	320		ug/L	320	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	0.24	J	ug/L	0.24	J D	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	150		ug/L	150	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	0.17	J	ug/L	0.17	J D	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.67	J	ug/L	0.67	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Unknown-01	TIC	16	J D	ug/L	16	J D	5.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-1-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.27	J	ug/L	0.27	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	12		ug/L	12		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.21	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	23		ug/L	23	D	5.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.092	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	12	J	ug/L	12	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-03	TIC	1.4	J	ug/L	1.4	J	1.0	YES	NV
Unknown-04	TIC	0.84	J	ug/L	0.84	J	1.0	YES	NV
Unknown-02	TIC	2.5	J	ug/L	2.5	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5E9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	2.0	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.7		ug/L	9.7		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	16		ug/L	16		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.12	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-02	TIC	2.4	J	ug/L	2.4	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-01	TIC	11	J	ug/L	11	J	1.0	YES	NV
Unknown-04	TIC	0.67	J	ug/L	0.67	J	1.0	YES	NV
Unknown-03	TIC	1.2	J	ug/L	1.2	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5F0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-3-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.34	J	ug/L	0.34	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	1.5	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8.3		ug/L	8.3		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.17	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	19		ug/L	19		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.057	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.33	J	ug/L	0.33	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-02	TIC	0.57	J	ug/L	0.57	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-01	TIC	5.3	J	ug/L	5.3	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5F2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-5-S19	pH: 2	Sample Date: 06/07/2019	Sample Time: 09:17:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	31		ug/L	31	D	5.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.47	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.45	J	ug/L	0.45	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	14		ug/L	14		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
Tetrachloroethene	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5F3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-6-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.46	J	ug/L	0.46	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.20	J	ug/L	0.20	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	2.5	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.61		ug/L	0.61		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	29		ug/L	29	D	5.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.44	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.60		ug/L	0.60		1.0	YES	S3VEM
Benzene	Target	0.095	J	ug/L	0.095	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	18		ug/L	18		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.11	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Tetrachloroethene	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	12	J	ug/L	12	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-03	TIC	0.72	J	ug/L	0.72	J	1.0	YES	NV
Unknown-02	TIC	2.3	J	ug/L	2.3	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5F4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-7-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.89		ug/L	0.89		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	8.5		1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.48	J	ug/L	0.48	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.079	J	ug/L	0.079	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11		ug/L	11		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.067	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	11		ug/L	11		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.082	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.93		ug/L	0.93		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-03	TIC	0.75	J	ug/L	0.75	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-01	TIC	12	J	ug/L	12	J	1.0	YES	NV
Unknown-02	TIC	2.5	J	ug/L	2.5	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5F5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FD061219-2	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	3.5	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8.7		ug/L	8.7		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.13	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	14		ug/L	14		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.17	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-04	TIC	0.52	J	ug/L	0.52	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-01	TIC	7.8	J	ug/L	7.8	J	1.0	YES	NV
Unknown-03	TIC	0.88	J	ug/L	0.88	J	1.0	YES	NV
Unknown-02	TIC	1.7	J	ug/L	1.7	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5G4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW25-1-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 15:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.37	J	ug/L	0.37	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.077	J	ug/L	0.077	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.069	J	ug/L	0.069	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.99		ug/L	0.99		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.036	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW27-1-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	15		ug/L	15		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	3.6		ug/L	3.6		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
Benzene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	5.9		ug/L	5.9		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.095	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.047	J	ug/L	0.047	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Difluorochloromethane	TIC	2.3	NJ	ug/L	2.3	NJ	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW27-2-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	2.3	J	ug/L	2.3	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.062	J	ug/L	0.062	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	4.3		ug/L	4.3		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.64		ug/L	0.64		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.080	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW27-3-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	4.7		ug/L	4.7		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.61		ug/L	0.61		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.91		ug/L	0.91		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	44		ug/L	44	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.081	J	ug/L	0.081	J	1.0	YES	S3VEM
Benzene	Target	0.20	J	ug/L	0.20	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.62		ug/L	0.62		1.0	YES	S3VEM
Trichloroethene	Target	23		ug/L	23	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.55	J	ug/L	0.55	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW27-4-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.39	J	ug/L	0.39	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	7.3		ug/L	7.3		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.97		ug/L	0.97		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
Benzene	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	6.1		ug/L	6.1		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.16	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.046	J	ug/L	0.046	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.050	J	ug/L	0.050	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW27-5-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 17:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.33	J	ug/L	0.33	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.059	J	ug/L	0.059	J	1.0	YES	S3VEM
Benzene	Target	0.067	J	ug/L	0.067	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.039	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB061119-1	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	2.0	J	ug/L	2.0	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	7.0		ug/L	7.0		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.060	J	ug/L	0.060	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB061219	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:25:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	2.1	J	ug/L	2.1	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.6		ug/L	6.6		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.051	J	ug/L	0.051	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.33	J	ug/L	0.33	J	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-4-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.73		ug/L	0.73		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.66		ug/L	0.66		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	25		ug/L	25	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.6	U	ug/L	0.59		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.34	J	ug/L	0.34	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	10		ug/L	10	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.048	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
Tetrachloroethene	Target	2.0		ug/L	2.0		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	5.3	J	ug/L	5.3	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-02	TIC	0.55	J	ug/L	0.55	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FB061219	pH: 8	Sample Date: 06/12/2019	Sample Time: 14:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R1	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: FB061219	pH: 8	Sample Date: 06/12/2019	Sample Time: 14:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.0011	J	ug/L	0.0011	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.0011	J	ug/L	0.0011	JP	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.0023	J	ug/L	0.0023	J	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.0014	J	ug/L	0.0014	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FB061219	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	3.8	J	ug/L	3.8	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.66		ug/L	0.66		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.57		ug/L	0.57	B	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.34	J	ug/L	0.34	J	1.0	YES	S3VEM
m, p-Xylene	Target	0.41	J	ug/L	0.41	J	1.0	YES	S3VEM
Styrene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PBLK48	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.00090	J	ug/L	0.00090	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PLCS48	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0011	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.018	J	ug/L	0.018	J	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.019	J	ug/L	0.019	J	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.037	J	ug/L	0.037	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.035	J	ug/L	0.035	J	1.0	YES	S3VEM
Endrin	Spike	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Spike	0.028	J	ug/L	0.028	J	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Spike	0.018	J	ug/L	0.018	J	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRR	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.059	J	ug/L	0.059	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRT	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRU	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.27	J	ug/L	0.27	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.032	J	ug/L	0.032	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKSE	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKSZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5E8** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5E8	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 20 (Water)
Analysis: TVOA, PEST (MA # 2826.2), ARO (MA # 2720.2)

SDG No.: BE5E8
Laboratory: Shealy Environmental Services, Inc.
Sampling dates: 6/10/2019 – 6/12/2019
Validation SOP: HW-34A (Rev 1), HW-36A (Rev 1), HW-37A (Rev 0)

QAPP:
Contractor: EA Engineering, Science and Technology, Inc., PBC
Reference: Contract # W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None.

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
TVOA: BE5E8, BE5F0, BE5F2, BE5F4, BE5F5, BE5G4, BE5H0, BE5H1, BE5H3, BE5H4, BE5L8, BE5Q7, BE5R1

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	**TVOA:** One or more non-detected and detected analytes exceeded the project action levels for one or more samples. **PEST:** One or more non-detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): Raxa J. Shelley

Approver's Signature:

Date: 07/25/2019

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Rev. 1) September, 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degree or below 2 degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev. 1) to all the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

The following samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BE5E8, BE5F0, BE5F4, BE5F5, BE5G4, BE5H0, BE5H1, BE5H3, BE5H4

B) Field or rinse blank contamination: BE5R1

The following samples have analyte concentrations reported less than the CRQL. The associated field blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BE5E8DL, BE5E9, BE5F2DL, BE5F3, BE5F3DL, BE5R0, BE5R0DL

The following samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated field blank has common contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Acetone BE5E9, BE5F0, BE5F3, BE5F4, BE5F5

C) Trip blank contamination: BE5Q7

The following sample has analyte concentrations reported greater than or equal to the CRQL and less than or equal to trip blank concentration. The associated trip blank has analyte concentration greater than the CRQL. Trip blank value have been reported for sample concentration and have been qualified U. Non-detected compounds are not qualified.

Chloroform BE5R0

The following samples have analyte concentrations reported less than the CRQL. The associated trip blank has analyte concentration greater than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Chloroform BE5E8, BE5F0, BE5F2, BE5F2DL, BE5F3, BE5F3DL, BE5F4, BE5F5

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev. 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R".

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev. 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev. 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

Bromochloromethane
1,1,2,2-Tetrachloroethane

BE5E8, BE5F0, BE5F2, BE5F4, BE5F5, BE5G4, BE5H0, BE5H1, BE5H3, BE5H4, BE5L8, BE5Q7, BE5R1

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev. 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev. 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev. 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BE5E9 and BE5F5

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

BE5R0:

cis-1,2-Dichloroethene result was over the calibration range (20 ug/L) for sample BE5R0 (result 49 E ug/L and CRQL 0.50 ug/L). Dilution (1:10) analysis BE5R0DL was performed but the result (25 ug/L) did not match with initial result. Using professional judgement and as dilution analysis BE5R0DL result is within calibration range, 25 ug/L is a better result. Therefore, cis-1,2-Dichloroethene result is reported from dilution analysis BE5R0DL.

Trichloroethene result was over the calibration range (20 ug/L) for sample BE5R0 (result 37 E ug/L and CRQL 0.50 ug/L). Dilution (1:10) analysis BE5R0DL was performed but the result (10 ug/L) did not match with initial result. Using professional judgement and as dilution analysis BE5R0DL result is within calibration range, 10 ug/L is a better result. Therefore, Trichloroethene result is reported from dilution analysis BE5R0DL.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following diluted samples were used for one or more analytes;
BE595DL, BE596DL, BE5E8DL, BE5F2DL, BE5F3DL, BE5H2DL, BE5R0DL

ANALYSIS: PEST (MA # 2826.2)

The current SOP HW-36A (Revision 1) October 2016, USEPA Region II for the evaluation of Pesticides data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Revision 1), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable as sample is a field blank.

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No qualifiers is applied because sample is field blank.

B) Field or rinse blank contamination:

Not applicable.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

For the PESTICIDE fraction, if %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP and surrogate in the PEM used for CCV must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference (%D) between the calibration Factor (CF) for each of the SCP and surrogate in the Calibration Verification Standard (CS3) and the mean calibration factor from the initial calibration must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference not within limits, detected associated compounds are qualified "J" and non-detected associated compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

Not applicable as sample is a field blank.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
> 50% (pesticide value < CRQL, value raised to CRQL)	U
> 200%	R

The following samples were qualified for % difference on the two columns.

None.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: ARO (MA # 2720.2)

The current SOP HW-37A (Revision 0) June 2015, USEPA Region II for the evaluation of ARO data generated through Statement of Work SOM02.2 and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Revision 0), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

Not applicable as sample is a field blank.

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending

on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No qualifiers is applied because sample is field blank.

B) Field or rinse blank contamination:

Not applicable.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

For the ARO fraction, if %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES:

Not applicable as sample is a field blank.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 70%	J

71% - 200% (interference detected, either column)	JN
> 50% (pesticide value < CRQL, value raised to CRQL)	U
> 200%	R

The following samples were qualified for % difference on the two columns.

None.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5G5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW25-2-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 15:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.62		ug/L	0.62		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.065	J	ug/L	0.065	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	3.7		ug/L	3.7		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	1.2		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.082	J	ug/L	0.082	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.082	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5G6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW25-3-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 15:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.33	J	ug/L	0.33	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	2.8		ug/L	2.8		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	0.87		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.049	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5G7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW25-4-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 15:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.64		ug/L	0.64		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.090	J	ug/L	0.090	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.5		ug/L	5.5		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	0.94		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.054	J	ug/L	0.054	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	16		ug/L	16		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5G8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW25-5-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 15:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	1.3		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.067	J	ug/L	0.067	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.061	J	ug/L	0.061	J	1.0	YES	S3VEM
Benzene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.16	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5G9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW25-6-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 15:55:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.69		ug/L	0.69		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	15		ug/L	15		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	3.4		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	6.8		ug/L	6.8		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.049	J	ug/L	0.049	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT8-1-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 09:53:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.41	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT8-2-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 09:53:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7	U	ug/L	0.65		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT8-3-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 09:53:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.13	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT8-5-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 09:53:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.11	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT8-6-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 09:53:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.73	J	ug/L	0.73	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT8-7-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 09:53:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.064	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.41	J	ug/L	0.41	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB061119-2	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.8	J	ug/L	1.8	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.7		ug/L	6.7		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.059	J	ug/L	0.059	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.33	J	ug/L	0.33	J	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.51	J	ug/L	0.51	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-1-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.082	J	ug/L	0.082	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	2.9		ug/L	2.9		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	32		ug/L	32	D	5.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.073	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	27		ug/L	27	D	5.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.047	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.53	J	ug/L	0.53	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50		ug/L	0.50		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	37		ug/L	37	D	5.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.067	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	18		ug/L	18		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.041	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	1.5	J	ug/L	1.5	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-02	TIC	1.2	J	ug/L	1.2	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-3-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.96		ug/L	0.96		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	34		ug/L	34	D	5.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.10	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.065	J	ug/L	0.065	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	18		ug/L	18		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.38	J	ug/L	0.38	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-4-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	3.0		ug/L	3.0		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	40		ug/L	40	D	5.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.11	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.060	J	ug/L	0.060	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	17		ug/L	17	D	5.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.074	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.42	J	ug/L	0.42	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.68	J	ug/L	0.68	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-5-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11		ug/L	11		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	7.2		ug/L	7.2		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-6-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.12	J	1.0	YES	S3VEM
Vinyl chloride	Target	0.52		ug/L	0.52		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	8.9		ug/L	8.9		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.041	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-7-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.72		ug/L	0.72		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	2.5		ug/L	2.5		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.19	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5R9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW21-8-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 12:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.51		ug/L	0.51		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	5.8		ug/L	5.8		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRT	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRU	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.27	J	ug/L	0.27	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKSE	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKSZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5G5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5G5	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 20 (Water)
Analysis: TVOA

SDG No.: BE5G5
Laboratory: Shealy Environmental Services, Inc.
Sampling dates: 6/10/2019 – 6/12/2019
Validation SOP: HW-34A (Rev 1)

QAPP:
Contractor: EA Engineering, Science, and Technology, Inc., PBC
Reference: Contract # W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None.

Major Findings:
None.

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	One or more non-detected and detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): Raxa J. Shelley

Approver's Signature:

Date: 07/12/2019

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Rev. 1) September, 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degree or below 2 degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev. 1) to all the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

No qualification due to method blank contamination.

B) Field or rinse blank contamination: BE5L7, BE5R1

The following sample has analyte concentrations reported less than the CRQL. The associated field blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Chloromethane BE5R7

C) Trip blank contamination: BE5Q9

The following samples have analyte concentrations reported greater than or equal to the CRQL and less than or equal to trip blank concentration. The associated trip blank has analyte concentration greater than the CRQL. Trip blank value have been reported for sample concentration and have been qualified U. Non-detected compounds are not qualified.

Chloroform BE5G5, BE5G6, BE5G7, BE5G8, BE5G9, BE5L2

The following samples have analyte concentrations reported less than the CRQL. The associated trip blank has analyte concentration greater than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Chloroform BE5L1, BE5L3, BE5L4, BE5L6, BE5R2, BE5R3, BE5R4, BE5R5

The following samples have analyte concentrations reported less than the CRQL. The associated trip blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BE5G5, BE5G6, BE5G8, BE5Q9, BE5R2, BE5R3, BE5R5, BE5R7, BE5R8

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev. 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R".

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev. 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev. 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev. 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev. 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev. 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

No sample duplicate was identified in this SDG.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following diluted samples were used for one or more analytes;
BE5R2DL, BE5R3DL, BE5R4DL, BE5R5DL

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ABLK13	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ALCS13	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT3-3-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 13:20:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H8	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW02A-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 08:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H8	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW02A-SH-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 08:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.0020	J	ug/L	0.0020	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.0016	JP	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.0018	JP	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.0018	JP	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.0039	J	ug/L	0.0039	J	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.0021	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.012	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.0014	JP	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW02A-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 08:35:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	4.7	J	ug/L	4.7	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.51		ug/L	0.51		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.40	J	ug/L	0.40	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-02	TIC	1.1	J	ug/L	1.1	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Naphthalene, 1,2,3,4-tetrahydro-1,4-dime	TIC	0.65	NJ	ug/L	0.65	NJ	1.0	YES	NV
1H-Indene, 2,3-dihydro-1,1,3-trimethyl-	TIC	0.85	NJ	ug/L	0.85	NJ	1.0	YES	NV
Benzene, 1-methyl-2-(1-methyl-2-propenyl	TIC	0.60	NJ	ug/L	0.60	NJ	1.0	YES	NV
1H-Indene, 2,3-dihydro-1,1-dimethyl-	TIC	0.94	NJ	ug/L	0.94	NJ	1.0	YES	NV
1H-Indene, 2,3-dihydro-1,6-dimethyl-	TIC	1.1	NJ	ug/L	1.1	NJ	1.0	YES	NV
Unknown-03	TIC	0.55	J	ug/L	0.55	J	1.0	YES	NV
Unknown-01	TIC	1.2	J	ug/L	1.2	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H9	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT1-1-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H9	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT1-1-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0011	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.0018	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT1-1-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.54		ug/L	0.54		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.064	J	ug/L	0.064	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H9MS	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.89	J	ug/L	0.89		1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	1.2		ug/L	1.2		1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H9MS	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.00060	JP	1.0	YES	S3VEM
beta-BHC	Target	0.0056	J	ug/L	0.0056	J	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.15	J	ug/L	0.15	P	1.0	YES	S3VEM
Heptachlor	Spike	0.20	J	ug/L	0.20		1.0	YES	S3VEM
Aldrin	Spike	0.19		ug/L	0.19		1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.41		ug/L	0.41		1.0	YES	S3VEM
4,4'-DDE	Target	0.0061	J	ug/L	0.0061	J	1.0	YES	S3VEM
Endrin	Spike	0.41		ug/L	0.41		1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Spike	0.41		ug/L	0.41		1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.0048	J	ug/L	0.0048	J	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H9MSD	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.74	J-	ug/L	0.74		1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	1.1	J-	ug/L	1.1		1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5H9MSD	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
beta-BHC	Target	0.0059	J	ug/L	0.0059	J	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.14	J	ug/L	0.14		1.0	YES	S3VEM
Heptachlor	Spike	0.16	J	ug/L	0.16		1.0	YES	S3VEM
Aldrin	Spike	0.16		ug/L	0.16		1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Spike	0.38		ug/L	0.38		1.0	YES	S3VEM
4,4'-DDE	Target	0.0058	J	ug/L	0.0058	J	1.0	YES	S3VEM
Endrin	Spike	0.38		ug/L	0.38		1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.010	J	ug/L	0.010	J	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Spike	0.38		ug/L	0.38		1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.0044	J	ug/L	0.0044	J	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.0012	J	ug/L	0.0012	JP	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT1-2-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J0	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT1-2-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
beta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Aldrin	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endrin	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan II	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT1-2-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.085	J	ug/L	0.085	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.45	J	ug/L	0.45	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.87		ug/L	0.87		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.38	J	ug/L	0.38	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.59	J	ug/L	0.59	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT1-3-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J1	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT1-3-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT1-3-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.5	J	ug/L	1.5	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.67		ug/L	0.67		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.098	J	ug/L	0.098	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J2	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT1-4-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J2	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT1-4-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0015	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.013	J	ug/L	0.013	J	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT1-4-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	3.0	J	ug/L	3.0	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.35	J	ug/L	0.35	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.63		ug/L	0.63		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.54	J	ug/L	0.54	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J3	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT1-5-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J3	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT1-5-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.00070	J	ug/L	0.00070	JP	1.0	YES	S3VEM
beta-BHC	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
delta-BHC	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
Heptachlor	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
Aldrin	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
Endosulfan I	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
Dieldrin	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Endrin	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan II	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Methoxychlor	Target	0.27	UJ	ug/L	0.27	U	1.0	YES	S3VEM
Endrin ketone	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.032	UJ	ug/L	0.032	U	1.0	YES	S3VEM
Toxaphene	Target	2.7	UJ	ug/L	2.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT1-5-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.45	J	ug/L	0.45	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.050	J	ug/L	0.050	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.65		ug/L	0.65		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J4	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FD061019	pH: 2	Sample Date: 06/10/2019	Sample Time: 12:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J4	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: FD061019	pH: 8	Sample Date: 06/10/2019	Sample Time: 12:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.00080	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.0051	J	ug/L	0.0051	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FD061019	pH: 2	Sample Date: 06/10/2019	Sample Time: 12:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.71		ug/L	0.71		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT1-6-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J5	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT1-6-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.032	U	ug/L	0.0011	JP	1.0	YES	S3VEM
beta-BHC	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
delta-BHC	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Heptachlor	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Aldrin	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Endosulfan I	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Dieldrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endosulfan II	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.0077	J	ug/L	0.0077	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT1-6-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.70		ug/L	0.70		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.65		ug/L	0.65		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.069	J	ug/L	0.069	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.70		ug/L	0.70		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J6	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT1-7-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J6	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT1-7-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0021	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.020	J	ug/L	0.020	J	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT1-7-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.81		ug/L	0.81		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.049	J	ug/L	0.049	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.77		ug/L	0.77		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J7	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT1-8-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J7	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT1-8-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.033	U	ug/L	0.0021	JP	1.0	YES	S3VEM
beta-BHC	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
delta-BHC	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Heptachlor	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Aldrin	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Endosulfan I	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Dieldrin	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endrin	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan II	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Methoxychlor	Target	0.27	U	ug/L	0.27	U	1.0	YES	S3VEM
Endrin ketone	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.020	J	ug/L	0.020	J	1.0	YES	S3VEM
cis-Chlordane	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Toxaphene	Target	2.7	U	ug/L	2.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT1-8-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	5.4		ug/L	5.4		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.047	J	ug/L	0.047	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J8	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW10-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 12:36:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J8	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW10-SH-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 12:36:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.0081	J	ug/L	0.0081	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.0032	J	ug/L	0.0032	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.0014	J	ug/L	0.0014	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW10-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 12:36:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.8	J	ug/L	1.8	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.52		ug/L	0.52		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J9	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW15S-1-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	1.8	J	ug/L	1.8	D	2.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J9	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW15S-1-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.00080	J	ug/L	0.00080	JP	1.0	YES	S3VEM
beta-BHC	Target	0.031	UJ	ug/L	0.0055	JP	1.0	YES	S3VEM
delta-BHC	Target	0.031	UJ	ug/L	0.0017	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	UJ	ug/L	0.022	JP	1.0	YES	S3VEM
Heptachlor	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Aldrin	Target	0.031	UJ	ug/L	0.0073	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	UJ	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Toxaphene	Target	2.6	UJ	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5J9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW15S-1-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Vinyl chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromomethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichlorofluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Acetone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Carbon disulfide	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methyl acetate	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methylene chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	23	J	ug/L	23	J D	100.0	YES	S3VEM
Methyl tert-butyl ether	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	3200		ug/L	3200	D	1000.0	YES	S3VEM
2-Butanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Bromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,1-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Cyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Carbon tetrachloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Benzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichloroethene	Target	6800		ug/L	6800	D	1000.0	YES	S3VEM
Methylcyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromodichloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Toluene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Tetrachloroethene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Dibromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromoethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Ethylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
o-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
m, p-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Styrene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromoform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Isopropylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,3-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,4-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	56		ug/L	56	D	100.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW15S-2-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K0	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW15S-2-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.0064	J	ug/L	0.0064	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.0015	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.0049	JP	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW15S-2-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	15		ug/L	15		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.6	J	ug/L	1.6	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	2.3		ug/L	2.3		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	68		ug/L	68	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.086	J	ug/L	0.086	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	55		ug/L	55	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.063	J	ug/L	0.063	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	4.3		ug/L	4.3		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.074	J	ug/L	0.074	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.39	JB	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW15D-1-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K1	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW15D-1-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	UJ	ug/L	0.0023	JP	1.0	YES	S3VEM
beta-BHC	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
delta-BHC	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor	Target	0.0031	J	ug/L	0.0031	JP	1.0	YES	S3VEM
Aldrin	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.052	UJ	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.052	UJ	ug/L	0.052	U	1.0	YES	S3VEM
Endrin	Target	0.052	UJ	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan II	Target	0.052	UJ	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.052	UJ	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.052	UJ	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.052	UJ	ug/L	0.052	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	UJ	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.052	UJ	ug/L	0.052	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.037	J	ug/L	0.037	J	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	UJ	ug/L	0.031	U	1.0	YES	S3VEM
Toxaphene	Target	2.6	UJ	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW15D-1-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6.3		ug/L	6.3		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K2	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW15D-2-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K2	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW15D-2-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0033	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.0020	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.076		ug/L	0.076		1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW15D-2-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.59		ug/L	0.59		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.35	J	ug/L	0.35	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	16		ug/L	16		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.098	J	ug/L	0.098	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	16		ug/L	16		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.59		ug/L	0.59		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.075	J	ug/L	0.075	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW05-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 14:12:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.93		ug/L	0.93		1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K5	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW05-SH-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 14:12:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.0055	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.0021	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.0042	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.0089	JP	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.0041	JP	1.0	YES	S3VEM
Dieldrin	Target	0.061		ug/L	0.061		1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.016	JP	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.0027	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.0025	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	J	ug/L	0.050	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.0046	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.0042	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.017	JP	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K5 | Method: Trace Volatiles | Matrix: Water | MA Number:

Sample Location: LTM03-MW05-SH-S19 | pH: 2 | Sample Date: 06/10/2019 | Sample Time: 14:12:00

% Moisture: | % Solids: 0.0

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.064	J	ug/L	0.064	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.46	J	ug/L	0.46	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	4.2		ug/L	4.2		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.073	J	ug/L	0.073	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	15		ug/L	15		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.037	J	ug/L	0.037	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	3.5		ug/L	3.5		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5		ug/L	2.5		1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.69	U	ug/L	0.69	B	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K6	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW09-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 15:49:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.46	J	ug/L	0.46		1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K6	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW09-SH-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 15:49:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.0046	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.0069	JP	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.0011	J	ug/L	0.0011	J	1.0	YES	S3VEM
Endrin	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.013	J	ug/L	0.013	J	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	UJ	ug/L	0.0040	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	UJ	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW09-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 15:49:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	2.9	J	ug/L	2.9	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.56		ug/L	0.56		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	10		ug/L	10		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	32		ug/L	32	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	40		ug/L	40	D	10.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	62		ug/L	62	D	10.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	3.4		ug/L	3.4		1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	39		ug/L	39	D	10.0	YES	S3VEM
1,2-Dichlorobenzene	Target	4.5		ug/L	4.5		1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.49	JB	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-01	TIC	0.89	J	ug/L	0.89	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K8	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FB061019	pH: 2	Sample Date: 06/10/2019	Sample Time: 17:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K8	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: FB061019	pH: 8	Sample Date: 06/10/2019	Sample Time: 17:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K9	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW08-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:27:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	8.5	J	ug/L	8.5	D	10.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K9	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW08-SH-S19	pH: 8	Sample Date: 06/10/2019	Sample Time: 16:27:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0026	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.020	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.0073	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.047	NJ	ug/L	0.047	P	1.0	YES	S3VEM
Heptachlor	Target	0.17	NJ	ug/L	0.17	P	1.0	YES	S3VEM
Aldrin	Target	0.046	NJ	ug/L	0.046	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.023	J	ug/L	0.023	J	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.0065	JP	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	UJ	ug/L	0.0042	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.0067	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.012	JP	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW08-SH-S19	pH: 2	Sample Date: 06/10/2019	Sample Time: 16:27:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Chloromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Vinyl chloride	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Bromomethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Chloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Trichlorofluoromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1-Dichloroethene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Acetone	Target	1000	U	ug/L	1000	U	200.0	YES	S3VEM
Carbon disulfide	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Methyl acetate	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Methylene chloride	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	180		ug/L	180	D	200.0	YES	S3VEM
Methyl tert-butyl ether	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1-Dichloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8700		ug/L	8700	D	2000.0	YES	S3VEM
2-Butanone	Target	1000	U	ug/L	1000	U	200.0	YES	S3VEM
Bromochloromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Chloroform	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1,1-Trichloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Cyclohexane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Carbon tetrachloride	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Benzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dichloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Trichloroethene	Target	17000		ug/L	17000	D	2000.0	YES	S3VEM
Methylcyclohexane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dichloropropane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Bromodichloromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
4-Methyl-2-pentanone	Target	1000	U	ug/L	1000	U	200.0	YES	S3VEM
Toluene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1,2-Trichloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Tetrachloroethene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
2-Hexanone	Target	1000	U	ug/L	1000	U	200.0	YES	S3VEM
Dibromochloromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dibromoethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Chlorobenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Ethylbenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
o-Xylene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
m, p-Xylene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Styrene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Bromoform	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Isopropylbenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,3-Dichlorobenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,4-Dichlorobenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dichlorobenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	170		ug/L	170	D	200.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	100	U	ug/L	44	J DB	200.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PBLK33	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PLCS33	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.018	J	ug/L	0.018	J	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.020	J	ug/L	0.020	J	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.037	J	ug/L	0.037	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.036	J	ug/L	0.036	J	1.0	YES	S3VEM
Endrin	Spike	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Spike	0.027	J	ug/L	0.027	J	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Spike	0.018	J	ug/L	0.018	J	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKOX	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKPJ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKPZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.036	J	ug/L	0.036	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKSZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5H5** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5H5	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics Inc
Number of Samples: 20 (Water)
Analysis: TVOA, PEST, ARO

SDG No.: BE5H5
Laboratory: Shealy Environmental Services
Sampling dates: 06/10/19-06/12/2019
Validation SOP: HW-34A (Rev 1), HW 36A (Rev 1), HW-37A (Rev 0)

QAPP:
Contractor: EA Engineering, Science and Technology, Inc., PCB
Reference: CN: W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None.

Major Findings:
The following samples have analytes that have been qualified J, J+ or J-;
Pest: BE5J2, BE5J3, BE5J4, BE5J9, BE5K0, BE5K1, BE5J8, BE5K6, BE5K9, BE5H9, BE5J5, BE5K5
Aroclor: BE5H5, BE5J2, BE5J3, BE5J4, BE5J9, BE5J9DL, BE5K0, BE5K1, BE5J8, BE5K6, BE5K9, BE5K9DL, BE5H8, BE5H9

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	**TVOA, PEST, ARO:** One or more non-detected and detected analytes exceeded the project action levels for one or more samples. .

Reviewer Name(s): Archana Mirle

Approver's Signature: **Date: 07/19/2019**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Revision 1) September 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degree or below 2-degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev 1) to all the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

The following trace volatile samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

1,2,3-Trichlorobenzene BE5K0, BE5K6, BE5K9

Toluene BE5K0DL, BE5K6DL

The following trace volatile samples have analyte concentrations reported greater than the CRQL and less than 2x the CRQL. The associated method blank has analyte concentration less than the CRQL. Reported concentration of the analyte in the sample have been qualified U. Non-detected compounds are not qualified.

1,2,3-Trichlorobenzene BE5K5

B) Field or rinse blank contamination:

Not applicable.

C) Trip blank contamination:

Not applicable.

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an

experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

1,1,2,2-Tetrachloroethane BE5K0DL, BE5K6DL

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BE5J4/BE5J1

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

The laboratory received samples for organic analysis on 6/14. COC 2-061119-232650-0187 lists two samples for TVOA analysis for which there are no vials in this COC's cooler (Sample BE5K7 and Sample BE5K8). However, the laboratory received three vials labeled for sample BE5R1 in the COC 2-061119-232650-0187 cooler, which is a Sample ID listed on COC 2-061219-000720-0190 (not listed on COC 2-061119-232650-0187); three TVOA vials for Sample BE5R1 were also received in the COC 2-061219-000720-0190 cooler (six TVOA vials total are labelled for Sample BE5R1). No vials or trip blanks were received for sample BE5K7. Per Region 2, the laboratory will analyze the three additional VOA vials labelled for sample BE5R1. A revised COC was provided to remove sample BE5K7 and sample BE5K8.

Samples BE5K7 is a Trip Blank and BE5K8 is a field blank with sampling date 06/10/2019. As per SDG narrative as stated above, the lab did not receive vials for these samples. No qualification

was applied for all the samples for TVOA analysis for trip blank and field blank contamination, as the lab did not receive the samples.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were only used for one or more analytes.

BE5J9DL, BE5K9DL, BE5K0DL, BE5K6DL

ANALYSIS: PESTICIDES

The current SOP HW-36A (Rev. 1) September 2016, USEPA Region II for the evaluation of Pesticides data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

The cooler temperature exceeded 6°C (7.2°C, 6.2°C) for the following pesticide samples. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

BE5J2, BE5J3, BE5J4, BE5J9, BE5K0, BE5K1, BE5J8, BE5K6, BE5K9

The following pesticide samples are extracted outside the extraction holding time criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

BE5J2, BE5J3, BE5J4, BE5J9, BE5K0, BE5K1, BE5J8, BE5K6, BE5K9

2. SURROGATES

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Rev. 1), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The relative percent difference (RPD) between the following matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.

gamma-BHC (Lindane) BE5H9, BE5H9MS. BE5H9MSD

Heptachlor BE5H9, BE5H9MS. BE5H9MSD

The following pesticide matrix/matrix spike duplicate samples have percent recoveries that are less than the primary lower acceptance limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

gamma-BHC (Lindane) BE5H9, BE5H9MS. BE5H9MSD

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BE5K8

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

For the PESTICIDE fraction, if %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP and surrogate in the PEM used for CCV must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference (%D) between the calibration Factor (CF) for each of the SCP and surrogate in the Calibration Verification Standard (CS3) and the mean calibration factor from the initial calibration must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference not within limits, detected associated compounds are qualified "J" and non-detected associated compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BE5J4/BE5J1

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
>50% (Pesticide value <CRQL, value raised to CRQL)	U
>200%	R

The following samples were qualified for % difference on the two columns.

BE5H8, BE5H9, BE5J2, BE5J3, BE5J4, BE5J5, BE5J6, BE5J7, BE5J8, BE5J9, BE5K0, BE5K1, BE5K2, BE5K5, BE5K6, BE5K9

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

ANALYSIS: AROCLOR

The current SOP HW-37A (Rev. 0) June 2015, USEPA Region II for the evaluation of PCB data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

The cooler temperature exceeded 6°C (6.2°C, 6.1°C, 7.2°C) for the following pesticide samples. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

BE5H5, BE5J2, BE5J3, BE5J4, BE5J9, BE5J9DL, BE5K0, BE5K1, BE5J8, BE5K6, BE5K9, BE5K9DL

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev. 0), qualifications were applied to the samples and analytes as shown below.

The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

Tetrachloro-m-xylene BE5H8, BE5H9, BE5H9MSD

Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The relative percent difference (RPD) between the following matrix spike and matrix spike duplicate recoveries is outside criteria. Detected compounds are qualified J. Non-detected compounds are not qualified.

Aroclor-1016 BE5H9, BE5H9MS, BE5H9MSD

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BE5K8, BE5R1

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

For the PCB fraction, if %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BE5J4/BE5J1

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	Qualifier
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
>50% (ARO value <CRQL, value raised to CRQL)	U
>200%	R

The following samples were qualified for % difference on the two columns.

None.

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were only used for one or more analytes.
BE5J9DL, BE5K9DL

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ABLK03	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ALCS03	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L7	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FB061119	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L7	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: FB061119	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.0054	J	ug/L	0.0054	J	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FB061119	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.9		ug/L	5.9		1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.039	J	ug/L	0.039	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-2-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.61		ug/L	0.61		1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N1	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-2-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0016	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.0061	J	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.0048	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.0019	JP	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-2-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Vinyl chloride	Target	11		ug/L	11	D	10.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethene	Target	41		ug/L	41	D	10.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Acetone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl acetate	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.7		ug/L	7.7	D	10.0	YES	S3VEM
Methyl tert-butyl ether	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethane	Target	15		ug/L	15	D	10.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	850		ug/L	850	D	100.0	YES	S3VEM
2-Butanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichloroethene	Target	510		ug/L	510	D	100.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
4-Methyl-2-pentanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Tetrachloroethene	Target	30		ug/L	30	D	10.0	YES	S3VEM
2-Hexanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	2.8	J D	10.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
m, p-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.77	J	ug/L	0.77	J D	10.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	1.1	J D	10.0	YES	S3VEM
1,2-Dichlorobenzene	Target	1.4	J	ug/L	1.4	J D	10.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	10		ug/L	10	DB	10.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	3.5	J DB	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N1MS	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	2.8	J	ug/L	2.8		1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	1.0	J	ug/L	1.0	P	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N1MS	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0010	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.0060	J	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.14	J	ug/L	0.14	P	1.0	YES	S3VEM
Heptachlor	Spike	0.16	J	ug/L	0.16		1.0	YES	S3VEM
Aldrin	Spike	0.15	J	ug/L	0.15		1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.31	J	ug/L	0.31		1.0	YES	S3VEM
4,4'-DDE	Target	0.0045	J	ug/L	0.0045	J	1.0	YES	S3VEM
Endrin	Spike	0.32	J	ug/L	0.32		1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.0027	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Spike	0.37	J	ug/L	0.37		1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N1MSD	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	2.9	J	ug/L	2.9		1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	2.2		ug/L	2.2		1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	1.3	J	ug/L	1.3	P	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N1MSD	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.00070	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.0061	J	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.15	J	ug/L	0.15	P	1.0	YES	S3VEM
Heptachlor	Spike	0.17	J	ug/L	0.17		1.0	YES	S3VEM
Aldrin	Spike	0.15	J	ug/L	0.15		1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.33	J	ug/L	0.33		1.0	YES	S3VEM
4,4'-DDE	Target	0.0048	J	ug/L	0.0048	J	1.0	YES	S3VEM
Endrin	Spike	0.34	J	ug/L	0.34		1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.0028	J	ug/L	0.0028	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.00090	JP	1.0	YES	S3VEM
4,4'-DDT	Spike	0.39	J	ug/L	0.39		1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.0025	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N7	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-8-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N7	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-8-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0046	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.0095	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.0018	JP	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.0011	J	ug/L	0.0011	J	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.089		ug/L	0.089		1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-8-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	67		ug/L	67	D	10.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	2.9		ug/L	2.9		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	12		ug/L	12		1.0	YES	S3VEM
1,1-Dichloroethane	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	80		ug/L	80	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.10	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.093	J	ug/L	0.093	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	41		ug/L	41	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.044	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.76		ug/L	0.76		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.23	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.11	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.097	J	ug/L	0.097	J	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.23	JB	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N8	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-9-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N8	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-9-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-9-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	48		ug/L	48	D	10.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	1.5		ug/L	1.5		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.49	J	ug/L	0.49	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.64		ug/L	0.64		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	50		ug/L	50	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	23		ug/L	23	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.041	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.47	J	ug/L	0.47	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.13	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1'-Biphenyl, 2,2'-dichloro-	TIC	0.67	NJ	ug/L	0.67	NJ	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N9	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW07-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 16:19:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.55		ug/L	0.55		1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N9	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW07-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 16:19:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.00070	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.11	J	ug/L	0.11		1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.0013	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.0025	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.011	JP	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.0093	J	ug/L	0.0093	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.0031	J	ug/L	0.0031	JP	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.016	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.0024	JP	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW07-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 16:19:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Vinyl chloride	Target	380		ug/L	380	D	100.0	YES	S3VEM
Bromomethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichlorofluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Acetone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Carbon disulfide	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methyl acetate	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methylene chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.8	J	ug/L	6.8	J D	100.0	YES	S3VEM
Methyl tert-butyl ether	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	2000		ug/L	2000	D	1000.0	YES	S3VEM
2-Butanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Bromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,1-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Cyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Carbon tetrachloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Benzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichloroethene	Target	5400		ug/L	5400	D	1000.0	YES	S3VEM
Methylcyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromodichloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Toluene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Tetrachloroethene	Target	6.0	J	ug/L	6.0	J D	100.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Dibromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromoethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chlorobenzene	Target	50	U	ug/L	25	J D	100.0	YES	S3VEM
Ethylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
o-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
m, p-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Styrene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromoform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Isopropylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,3-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,4-Dichlorobenzene	Target	50	U	ug/L	12	J D	100.0	YES	S3VEM
1,2-Dichlorobenzene	Target	8.3	J	ug/L	8.3	J D	100.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	50	U	ug/L	27	J DB	100.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT2-1-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P0	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT2-1-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0041	JB	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.0023	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.013	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.0014	JP	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.010	J	ug/L	0.010	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.0027	J	ug/L	0.0027	J	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT2-1-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	3.0		ug/L	3.0		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.10	J-	ug/L	0.10	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	13	U	ug/L	13		1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.11	J-	ug/L	0.11	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	280		ug/L	280	D	50.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	8.3	J-	ug/L	8.3		1.0	YES	S3VEM
2-Butanone	Target	6.0		ug/L	6.0		1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.081	J	ug/L	0.081	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	200		ug/L	200	D	50.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.16	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-04	TIC	3.1	J	ug/L	3.1	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-02	TIC	3.6	J	ug/L	3.6	J	1.0	YES	NV
Unknown-05	TIC	0.74	J	ug/L	0.74	J	1.0	YES	NV
Unknown-01	TIC	0.84	J	ug/L	0.84	J	1.0	YES	NV
Unknown-03	TIC	1.6	J	ug/L	1.6	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT2-2-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P1	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT2-2-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.0028	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT2-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Acetone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl acetate	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl tert-butyl ether	Target	4.8	J	ug/L	4.8	J D	10.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	5.0		ug/L	5.0	D	10.0	YES	S3VEM
2-Butanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	0.61	J D	10.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichloroethene	Target	470		ug/L	470	D	100.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
4-Methyl-2-pentanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Tetrachloroethene	Target	1.3	J	ug/L	1.3	J D	10.0	YES	S3VEM
2-Hexanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
m, p-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,4-Dichlorobenzene	Target	1.1	J	ug/L	1.1	J D	10.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P2	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT2-4-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P2	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT2-4-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.00060	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.0069	J	ug/L	0.0069	J	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.0027	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.0048	J	ug/L	0.0048	J	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT2-4-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.090	J	ug/L	0.090	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	1.9	J+	ug/L	1.9		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9.6		ug/L	9.6		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.33	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.096	J+	ug/L	0.096	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	56		ug/L	56	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.11	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
Tetrachloroethene	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.059	J	ug/L	0.059	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.34	J	ug/L	0.34	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P3	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT2-5-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P3	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT2-5-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.0013	J	ug/L	0.0013	J	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.0022	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.00090	JP	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT2-5-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	39		ug/L	39	D	5.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	0.24	J D	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	220		ug/L	220	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	0.41	J DB	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.47	J	ug/L	0.47	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P4	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT2-6-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P4	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT2-6-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT2-6-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	13		ug/L	13		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.24	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	52		ug/L	52	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.17	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.47	J	ug/L	0.47	J	1.0	YES	S3VEM
Tetrachloroethene	Target	0.74		ug/L	0.74		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-ERT2-7-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P5	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-ERT2-7-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.0064	J	ug/L	0.0064	J	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.0035	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.023	J	ug/L	0.023	J	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.0023	J	ug/L	0.0023	J	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.0013	J	ug/L	0.0013	J	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT2-7-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 09:32:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Vinyl chloride	Target	1.9	J	ug/L	1.9	J D	10.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Acetone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl acetate	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.86	J	ug/L	0.86	J D	10.0	YES	S3VEM
Methyl tert-butyl ether	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	98		ug/L	140	D	100.0	YES	S3VEM
2-Butanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichloroethene	Target	660		ug/L	660	D	100.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
4-Methyl-2-pentanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	0.75	J D	10.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Tetrachloroethene	Target	3.3	J	ug/L	3.3	J D	10.0	YES	S3VEM
2-Hexanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chlorobenzene	Target	0.48	J	ug/L	0.48	J D	10.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
m, p-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	UJ	ug/L	5.0	U	10.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P6	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW17-1-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P6	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW17-1-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.00080	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.0065	J	ug/L	0.0065	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.014	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW17-1-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	15		ug/L	15		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.90		ug/L	0.90		1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.96		ug/L	0.96		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	97		ug/L	97	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.36	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.086	J	ug/L	0.086	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	19		ug/L	19	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.035	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
Tetrachloroethene	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.087	J	ug/L	0.087	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethane, 2,2-dichloro-1,1,1-	TIC	0.71	NJ	ug/L	0.71	NJ	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trifluoro-									

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P7	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW17-2-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P7	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW17-2-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.00070	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.0054	J	ug/L	0.0054	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.013	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW17-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	5.9		ug/L	5.9		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.98		ug/L	0.98		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.84		ug/L	0.84		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	79		ug/L	79	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.66	U	ug/L	0.60		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.083	J	ug/L	0.083	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	20		ug/L	20	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.060	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.93		ug/L	0.93		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.060	J	ug/L	0.060	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethane, 2,2-dichloro-1,1,1-	TIC	1.8	NJ	ug/L	1.8	NJ	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
trifluoro-									

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P8	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW17-3-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P8	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW17-3-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0029	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.0030	J	ug/L	0.0030	J	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.0042	JP	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.0011	J	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.0029	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.0028	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.0066	J	ug/L	0.0066	JP	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.085	J	ug/L	0.085		1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5P8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW17-3-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:10:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Vinyl chloride	Target	80		ug/L	80	D	10.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethene	Target	1.5	J	ug/L	1.5	J D	10.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Acetone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl acetate	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	2.4	J	ug/L	2.4	J D	10.0	YES	S3VEM
Methyl tert-butyl ether	Target	6.6		ug/L	6.6	D	10.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	540		ug/L	540	D	100.0	YES	S3VEM
2-Butanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Bromochloromethane	Target	5.0	UJ	ug/L	5.0	U	10.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichloroethene	Target	780		ug/L	780	D	100.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
4-Methyl-2-pentanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	0.92	J DB	10.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Tetrachloroethene	Target	0.45	J	ug/L	0.45	J D	10.0	YES	S3VEM
2-Hexanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
m, p-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	UJ	ug/L	5.0	U	10.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW14S-2-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	2.0	U	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1221	Target	2.0	U	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1232	Target	2.0	U	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1242	Target	77		ug/L	77	D	100.0	YES	S3VEM
Aroclor-1248	Target	2.0	U	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1254	Target	96		ug/L	96	D	100.0	YES	S3VEM
Aroclor-1260	Target	2.0	U	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1262	Target	2.0	U	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1268	Target	2.0	U	ug/L	2.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q0	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW14S-2-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.060	U	ug/L	0.0050	J DPB	2.0	YES	S3VEM
beta-BHC	Target	2.3	J	ug/L	2.3	DP	20.0	YES	S3VEM
delta-BHC	Target	0.25	R	ug/L	0.25	DP	2.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.14	R	ug/L	0.14	DP	2.0	YES	S3VEM
Heptachlor	Target	0.060	U	ug/L	0.0056	J DP	2.0	YES	S3VEM
Aldrin	Target	0.17	R	ug/L	0.17	DP	2.0	YES	S3VEM
Heptachlor epoxide	Target	0.061	R	ug/L	0.061	DP	2.0	YES	S3VEM
Endosulfan I	Target	0.35	R	ug/L	0.35	DP	2.0	YES	S3VEM
Dieldrin	Target	6.1		ug/L	6.1	D	20.0	YES	S3VEM
4,4'-DDE	Target	1.5	JN	ug/L	1.5	DP	2.0	YES	S3VEM
Endrin	Target	0.44	R	ug/L	0.44	DP	2.0	YES	S3VEM
Endosulfan II	Target	0.10	U	ug/L	0.073	J DP	2.0	YES	S3VEM
4,4'-DDD	Target	0.21	JN	ug/L	0.21	DP	2.0	YES	S3VEM
Endosulfan sulfate	Target	0.10	U	ug/L	0.015	J DP	2.0	YES	S3VEM
4,4'-DDT	Target	8.1		ug/L	8.1	D	20.0	YES	S3VEM
Methoxychlor	Target	0.50	U	ug/L	0.016	J DP	2.0	YES	S3VEM
Endrin ketone	Target	0.13	JN	ug/L	0.13	DP	2.0	YES	S3VEM
Endrin aldehyde	Target	0.74		ug/L	0.74	D	2.0	YES	S3VEM
cis-Chlordane	Target	0.060	U	ug/L	0.060	U	2.0	YES	S3VEM
trans-Chlordane	Target	2.5	JN	ug/L	2.5	DP	20.0	YES	S3VEM
Toxaphene	Target	5.0	U	ug/L	5.0	U	2.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW14S-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Chloromethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Vinyl chloride	Target	910	J	ug/L	910	J D	2000.0	YES	S3VEM
Bromomethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Chloroethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Trichlorofluoromethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,1-Dichloroethene	Target	270	J-	ug/L	270	J D	2000.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Acetone	Target	10000	U	ug/L	10000	U	2000.0	YES	S3VEM
Carbon disulfide	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Methyl acetate	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Methylene chloride	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1200	J-	ug/L	1200	D	2000.0	YES	S3VEM
Methyl tert-butyl ether	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,1-Dichloroethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	260000	J-	ug/L	260000	D	20000.0	YES	S3VEM
2-Butanone	Target	10000	U	ug/L	10000	U	2000.0	YES	S3VEM
Bromochloromethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Chloroform	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,1,1-Trichloroethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Cyclohexane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Carbon tetrachloride	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Benzene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,2-Dichloroethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Trichloroethene	Target	190000		ug/L	190000	D	20000.0	YES	S3VEM
Methylcyclohexane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,2-Dichloropropane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Bromodichloromethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
4-Methyl-2-pentanone	Target	10000	U	ug/L	10000	U	2000.0	YES	S3VEM
Toluene	Target	1000	U	ug/L	79	J D	2000.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,1,2-Trichloroethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Tetrachloroethene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
2-Hexanone	Target	10000	U	ug/L	10000	U	2000.0	YES	S3VEM
Dibromochloromethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,2-Dibromoethane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Chlorobenzene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Ethylbenzene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
o-Xylene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
m, p-Xylene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Styrene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Bromoform	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
Isopropylbenzene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	1000	UJ	ug/L	1000	U	2000.0	YES	S3VEM
1,3-Dichlorobenzene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,4-Dichlorobenzene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,2-Dichlorobenzene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	380	J	ug/L	380	J D	2000.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	1000	U	ug/L	1000	U	2000.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW14S-3-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	18		ug/L	18	D	10.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	9.8		ug/L	9.8	D	10.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q1	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW14S-3-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0078	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.95		ug/L	0.95	D	5.0	YES	S3VEM
delta-BHC	Target	0.031	R	ug/L	0.031	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.063	R	ug/L	0.063	P	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.0050	JP	1.0	YES	S3VEM
Aldrin	Target	0.11	JN	ug/L	0.11	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.021	JP	1.0	YES	S3VEM
Dieldrin	Target	0.33		ug/L	0.33		1.0	YES	S3VEM
4,4'-DDE	Target	0.084	JN	ug/L	0.084	P	1.0	YES	S3VEM
Endrin	Target	0.060	U	ug/L	0.018	JP	1.0	YES	S3VEM
Endosulfan II	Target	0.060	U	ug/L	0.0032	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.060	U	ug/L	0.0019	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.060	U	ug/L	0.0071	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.27		ug/L	0.27		1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.060	U	ug/L	0.0086	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.060	U	ug/L	0.036	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.027	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.096	JN	ug/L	0.096	P	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW14S-3-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Chloromethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Vinyl chloride	Target	570		ug/L	570	D	1000.0	YES	S3VEM
Bromomethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Chloroethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Trichlorofluoromethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,1-Dichloroethene	Target	190	J	ug/L	190	J D	1000.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Acetone	Target	5000	U	ug/L	5000	U	1000.0	YES	S3VEM
Carbon disulfide	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Methyl acetate	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Methylene chloride	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	580		ug/L	580	D	1000.0	YES	S3VEM
Methyl tert-butyl ether	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,1-Dichloroethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	91000		ug/L	91000	D	10000.0	YES	S3VEM
2-Butanone	Target	5000	U	ug/L	5000	U	1000.0	YES	S3VEM
Bromochloromethane	Target	500	UJ	ug/L	500	U	1000.0	YES	S3VEM
Chloroform	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,1,1-Trichloroethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Cyclohexane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Carbon tetrachloride	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Benzene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,2-Dichloroethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Trichloroethene	Target	41000		ug/L	41000	D	10000.0	YES	S3VEM
Methylcyclohexane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,2-Dichloropropane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Bromodichloromethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5000	U	ug/L	5000	U	1000.0	YES	S3VEM
Toluene	Target	500	U	ug/L	54	J DB	1000.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,1,2-Trichloroethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Tetrachloroethene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
2-Hexanone	Target	5000	U	ug/L	5000	U	1000.0	YES	S3VEM
Dibromochloromethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,2-Dibromoethane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Chlorobenzene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Ethylbenzene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
o-Xylene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
m, p-Xylene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Styrene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Bromoform	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
Isopropylbenzene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	500	UJ	ug/L	500	U	1000.0	YES	S3VEM
1,3-Dichlorobenzene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,4-Dichlorobenzene	Target	89	J	ug/L	89	J D	1000.0	YES	S3VEM
1,2-Dichlorobenzene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	210	J	ug/L	210	J D	1000.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	500	U	ug/L	500	U	1000.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q3	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FD061219-1	pH: 8	Sample Date: 06/12/2019	Sample Time: 11:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1221	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1232	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1242	Target	85	J	ug/L	85	D	100.0	YES	S3VEM
Aroclor-1248	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1254	Target	12	J	ug/L	12	D	10.0	YES	S3VEM
Aroclor-1260	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1262	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1268	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q3	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: FD061219-1	pH: 8	Sample Date: 06/12/2019	Sample Time: 11:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.30	UJ	ug/L	0.014	J DB	10.0	YES	S3VEM
beta-BHC	Target	0.30	UJ	ug/L	0.23	J DP	10.0	YES	S3VEM
delta-BHC	Target	0.66	R	ug/L	0.66	DP	10.0	YES	S3VEM
gamma-BHC (Lindane)	Target	1.6	R	ug/L	1.6	DP	10.0	YES	S3VEM
Heptachlor	Target	0.30	UJ	ug/L	0.30	U	10.0	YES	S3VEM
Aldrin	Target	0.42	R	ug/L	0.42	DP	10.0	YES	S3VEM
Heptachlor epoxide	Target	1.0	R	ug/L	1.0	DP	10.0	YES	S3VEM
Endosulfan I	Target	1.6	R	ug/L	1.6	DP	10.0	YES	S3VEM
Dieldrin	Target	24	J	ug/L	24	D	100.0	YES	S3VEM
4,4'-DDE	Target	6.1	JN	ug/L	6.1	DP	10.0	YES	S3VEM
Endrin	Target	1.8	R	ug/L	1.8	DP	10.0	YES	S3VEM
Endosulfan II	Target	0.50	UJ	ug/L	0.35	J DP	10.0	YES	S3VEM
4,4'-DDD	Target	0.90	JN	ug/L	0.90	DP	10.0	YES	S3VEM
Endosulfan sulfate	Target	0.50	UJ	ug/L	0.17	J DP	10.0	YES	S3VEM
4,4'-DDT	Target	28	J	ug/L	28	D	100.0	YES	S3VEM
Methoxychlor	Target	2.5	UJ	ug/L	2.5	U	10.0	YES	S3VEM
Endrin ketone	Target	0.88	R	ug/L	0.88	DP	10.0	YES	S3VEM
Endrin aldehyde	Target	2.5	J	ug/L	2.5	DP	10.0	YES	S3VEM
cis-Chlordane	Target	8.1	J	ug/L	8.1	D	100.0	YES	S3VEM
trans-Chlordane	Target	7.6	JN	ug/L	7.6	DP	100.0	YES	S3VEM
Toxaphene	Target	25	UJ	ug/L	25	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FD061219-1	pH: 2	Sample Date: 06/12/2019	Sample Time: 11:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Vinyl chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethene	Target	1.4	J	ug/L	1.4	J D	10.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Acetone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl acetate	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl tert-butyl ether	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	31		ug/L	31	D	10.0	YES	S3VEM
2-Butanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Benzene	Target	3.4	J	ug/L	3.4	J D	10.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichloroethene	Target	18		ug/L	18	D	10.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
4-Methyl-2-pentanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	0.92	J D	10.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Tetrachloroethene	Target	1.5	J	ug/L	1.5	J D	10.0	YES	S3VEM
2-Hexanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chlorobenzene	Target	640		ug/L	640	D	100.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
m, p-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,3-Dichlorobenzene	Target	52		ug/L	52	D	10.0	YES	S3VEM
1,4-Dichlorobenzene	Target	110		ug/L	110	D	10.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.1		ug/L	9.1	D	10.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	98		ug/L	98	D	10.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	36		ug/L	36	DB	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q4	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW14D-1-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1221	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1232	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1242	Target	92	J	ug/L	92	D	100.0	YES	S3VEM
Aroclor-1248	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1254	Target	30	J	ug/L	30	D	100.0	YES	S3VEM
Aroclor-1260	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1262	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1268	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q4	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW14D-1-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0046	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.030	R	ug/L	0.030	P	1.0	YES	S3VEM
delta-BHC	Target	0.044	R	ug/L	0.044	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.18	R	ug/L	0.18	P	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.0089	JP	1.0	YES	S3VEM
Aldrin	Target	0.36	J	ug/L	0.36	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.042	R	ug/L	0.042	P	1.0	YES	S3VEM
Endosulfan I	Target	0.063	R	ug/L	0.063	P	1.0	YES	S3VEM
Dieldrin	Target	1.0	J	ug/L	1.0	D	5.0	YES	S3VEM
4,4'-DDE	Target	0.26	JN	ug/L	0.26	P	1.0	YES	S3VEM
Endrin	Target	0.060	R	ug/L	0.060	P	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.011	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.0013	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.029	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.79	J	ug/L	0.79	P	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.025	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.11	J	ug/L	0.11		1.0	YES	S3VEM
cis-Chlordane	Target	0.36	J	ug/L	0.36		1.0	YES	S3VEM
trans-Chlordane	Target	0.24	JN	ug/L	0.24	P	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-1-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Vinyl chloride	Target	49		ug/L	49	D	10.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethene	Target	1.5	J	ug/L	1.5	J D	10.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Acetone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl acetate	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	15		ug/L	15	D	10.0	YES	S3VEM
Methyl tert-butyl ether	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	790		ug/L	790	D	100.0	YES	S3VEM
2-Butanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Benzene	Target	2.6	J	ug/L	2.6	J D	10.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichloroethene	Target	66		ug/L	66	D	10.0	YES	S3VEM
Methylcyclohexane	Target	1.0	J	ug/L	1.0	J D	10.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
4-Methyl-2-pentanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	1.5	J D	10.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
2-Hexanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chlorobenzene	Target	550		ug/L	550	D	100.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
m, p-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,3-Dichlorobenzene	Target	54		ug/L	54	D	10.0	YES	S3VEM
1,4-Dichlorobenzene	Target	77		ug/L	77	D	10.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.0		ug/L	9.0	D	10.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	32		ug/L	32	D	10.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	8.4	U	ug/L	8.4	DB	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW14D-2-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1221	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1232	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1242	Target	77	J	ug/L	77	D	100.0	YES	S3VEM
Aroclor-1248	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1254	Target	11	J	ug/L	11	D	10.0	YES	S3VEM
Aroclor-1260	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1262	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1268	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q5	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW14D-2-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0036	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.037	R	ug/L	0.037	P	1.0	YES	S3VEM
delta-BHC	Target	0.081	R	ug/L	0.081	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.44	R	ug/L	0.44	DP	10.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.0069	JP	1.0	YES	S3VEM
Aldrin	Target	0.35	JN	ug/L	0.35	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.073	R	ug/L	0.073	P	1.0	YES	S3VEM
Endosulfan I	Target	0.11	R	ug/L	0.11	P	1.0	YES	S3VEM
Dieldrin	Target	1.8	J	ug/L	1.8	D	10.0	YES	S3VEM
4,4'-DDE	Target	0.41	JN	ug/L	0.41	P	1.0	YES	S3VEM
Endrin	Target	0.11	R	ug/L	0.11	P	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.019	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	JN	ug/L	0.051	P	1.0	YES	S3VEM
4,4'-DDT	Target	1.7	J	ug/L	1.7	D	10.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.25	UJ	ug/L	0.048	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.20	J	ug/L	0.20		1.0	YES	S3VEM
cis-Chlordane	Target	0.67	J	ug/L	0.67	D	10.0	YES	S3VEM
trans-Chlordane	Target	0.50	JN	ug/L	0.50	DP	10.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-2-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.76		ug/L	0.76		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.41	J	ug/L	0.41	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	1.1		ug/L	1.1		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.47	J	ug/L	0.47	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	22		ug/L	22	D	20.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	3.1		ug/L	3.1		1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	18		ug/L	18		1.0	YES	S3VEM
Methylcyclohexane	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.57	U	ug/L	0.56		1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	460	J	ug/L	460	E D	20.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.15	J	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	41		ug/L	41	D	20.0	YES	S3VEM
1,4-Dichlorobenzene	Target	87		ug/L	87	D	20.0	YES	S3VEM
1,2-Dichlorobenzene	Target	9.6		ug/L	9.6		1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	83		ug/L	83	D	20.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	30		ug/L	30	D	20.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q6	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW14D-3-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1221	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1232	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1242	Target	79	J	ug/L	79	D	100.0	YES	S3VEM
Aroclor-1248	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1254	Target	13	J	ug/L	13	D	10.0	YES	S3VEM
Aroclor-1260	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1262	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM
Aroclor-1268	Target	2.0	UJ	ug/L	2.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q6	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW14D-3-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0022	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.035	R	ug/L	0.035	P	1.0	YES	S3VEM
delta-BHC	Target	0.043	R	ug/L	0.043	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.28	R	ug/L	0.28	P	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.0090	JP	1.0	YES	S3VEM
Aldrin	Target	0.31	J	ug/L	0.31	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.028	JP	1.0	YES	S3VEM
Endosulfan I	Target	0.035	R	ug/L	0.035	P	1.0	YES	S3VEM
Dieldrin	Target	0.51	J	ug/L	0.51		1.0	YES	S3VEM
4,4'-DDE	Target	0.14	JN	ug/L	0.14	P	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.025	JP	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.0045	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.0016	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.0084	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.31	J	ug/L	0.31		1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.0070	JP	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.0093	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.043	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.23	J	ug/L	0.23		1.0	YES	S3VEM
trans-Chlordane	Target	0.12	R	ug/L	0.12	P	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5Q6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-3-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.080	J	ug/L	0.080	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.62		ug/L	0.62		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.34	J	ug/L	0.34	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.56		ug/L	0.56		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.44	J	ug/L	0.44	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	24	J	ug/L	24	E	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.078	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	9.1		ug/L	9.1		1.0	YES	S3VEM
Methylcyclohexane	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.59		ug/L	0.59		1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	440		ug/L	440	D	50.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.11	J	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	24	J	ug/L	24	E	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	26		ug/L	26	D	50.0	YES	S3VEM
1,2-Dichlorobenzene	Target	3.7		ug/L	3.7		1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	31		ug/L	31	D	50.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	9.1		ug/L	9.1		1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PBLK34	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PBLK48	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.00090	J	ug/L	0.00090	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PLCS34	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.017	J	ug/L	0.017	J	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.019	J	ug/L	0.019	J	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.034	J	ug/L	0.034	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.034	J	ug/L	0.034	J	1.0	YES	S3VEM
Endrin	Spike	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Spike	0.027	J	ug/L	0.027	J	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Spike	0.017	J	ug/L	0.017	J	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PLCS48	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0011	JPB	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.018	J	ug/L	0.018	J	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.019	J	ug/L	0.019	J	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.037	J	ug/L	0.037	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.035	J	ug/L	0.035	J	1.0	YES	S3VEM
Endrin	Spike	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Spike	0.028	J	ug/L	0.028	J	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Spike	0.018	J	ug/L	0.018	J	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKPJ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKQH	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.037	J	ug/L	0.037	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.053	J	ug/L	0.053	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKQQ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRB	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.052	J	ug/L	0.052	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRC	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRR	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.059	J	ug/L	0.059	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRU	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.27	J	ug/L	0.27	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKSZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5L7** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5L7	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 20 (Water)
Analysis: TVOA, PEST (MA # 2826.2), ARO (MA # 2720.2)

SDG No.: BE5L7
Laboratory: Shealy Environmental Services, Inc.
Sampling dates: 6/11/2019 – 6/12/2019
Validation SOP: HW-34A (Rev 1), HW-36A (Rev 1), HW-37A (Rev 0)

QAPP:
Contractor: EA Engineering, Science and Technology, Inc., PBC
Reference: Contract # W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
PEST: Samples BE5Q0, BE5Q1, BE5Q3, BE5Q4, BE5Q5, BE5Q5DL and BE5Q6 have analytes that have been qualified "R" for Compound Identification criteria.

Major Findings:
The following samples have analytes that have been qualified "J", "J+" or "J-".
TVOA: BE5N8, BE5P0, BE5P2, BE5P5, BE5P8, BE5Q0, BE5Q0DL, BE5Q1, BE5Q5RE, BE5Q5DL, BE5Q6
PEST: BE5L7, BE5N1, BE5N7, BE5N8, BE5N9, BE5P0, BE5P2, BE5P6, BE5P7, BE5P8, BE5Q0, BE5Q0DL, BE5Q1, BE5Q3, BE5Q3DL, BE5Q4, BE5Q4DL, BE5Q5, BE5Q5DL, BE5Q6
ARO: BE5P6, BE5P7, BE5P8, BE5Q3, BE5Q3DL, BE5Q4, BE5Q4DL, BE5Q5, BE5Q5DL, BE5Q6, BE5Q6DL

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	**TVOA, PEST, ARO:** One or more non-detected and detected analytes exceeded the project action levels for one or more samples.

Reviewer Name(s): Raxa J. Shelley

Approver's Signature:

Date: 07/22/2019

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Rev. 1) September, 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degree or below 2 degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev. 1) to all the samples and analytes as shown below.

The following samples have DMC/surrogate percent recovery values less than the primary lower limit but greater than or equal to the expanded lower limit of the criteria window. Detected compounds are qualified J-. Non-detected compounds are qualified UJ.

1,1-Dichloroethene-d2 BE5P0, BE5Q0, BE5Q0DL
trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

The following samples have DMC/surrogate percent recoveries above the upper limit of the criteria window. Detected compounds are qualified J+. Non-detected compounds are not qualified.

2-Butanone-d5 BE5N7DL, BE5P6DL, BE5P7DL
Acetone, 2-Butanone

1,2-Dichloroethane-d4 BE5P2
Trichlorofluromethane, 1,1,2-Trichloro-1,2,2-trifluoroethane, Methyl acetate, Methylene chloride, Methyl-tert-butyl ether, 1,1,1-Trichloroethane, Carbon tetrachloride, 1,2-Dibromoethane, 1,2-Dichloroethane

1,1,2,2-Tetrachloroethane-d2 BE5N1DL, BE5N7DL, BE5P1, BE5P6DL, BE5P7DL

1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

The following sample has analyte concentrations reported greater than the CRQL and less than 2x the CRQL. The associated method blank has analyte concentration less than the CRQL. Reported concentration of the analyte in the sample have been qualified U. Non-detected compounds are not qualified.

1,2,3-Trichlorobenzene BE5Q4

The following samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BE5N7, BE5N7DL, BE5P2, BE5P2DL, BE5P3, BE5P3DL, BE5P5DL, BE5P6, BE5P6DL, BE5P7, BE5P7DL, BE5P8, BE5P8DL, BE5Q1, BE5Q1DL, BE5Q4DL, BE5Q5DL

1,2,4-Trichlorobenzene BE5N7, BE5N9

1,2,3-Trichlorobenzene BE5N1, BE5Q3DL

B) Field or rinse blank contamination: BE5L7, BE5R1

The following samples have analyte concentrations reported less than the CRQL. The associated field blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Chloroform BE5N7

Chlorobenzene BE5N1, BE5N7, BE5N8, BE5N9
o-Xylene BE5Q5, BE5Q5RE, BE5Q6

1,4-Dichlorobenzene BE5N1, BE5N7, BE5N9

The following samples have common contaminant analyte concentrations reported greater than 2x the CRQL and less than 4x the CRQL. The associated field blank has common contaminant analyte concentration less than 2x the CRQL. Reported concentration of the analyte in the sample have been qualified U. Non-detected compounds are not qualified.

Acetone BE5P0, BE5Q5

The following samples have analyte concentrations reported less than the CRQL. The associated field blank has analyte concentration greater than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BE5P0, BE5P4, BE5P4DL, BE5P5, BE5Q0, BE5Q0DL, BE5Q3, BE5Q3DL, BE5Q4, BE5Q6DL

Chloroform BE5P1, BE5P2, BE5P3, BE5P4, BE5P6, BE5Q6

The following samples have analyte concentrations reported greater than or equal to the CRQL and less than or equal to field blank concentration. The associated field blank has analyte concentration greater than the CRQL. Field blank value have been reported for sample concentration and have been qualified U. Non-detected compounds are not qualified.

Chloroform BE5P7

Toluene BE5Q5, BE5Q5RE

C) Trip blank contamination: BE5L8

The following samples have analyte concentrations reported less than the CRQL. The associated trip blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

Toluene BE5N8, BE5N8DL

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration

is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev. 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R".

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev. 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev. 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the sample shown were qualified for %RSD and %D:

The following samples are associated with an opening or closing CCV percent difference (%D) outside criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

1,1-Dichloroethene
Carbon disulfide
trans-1,2-Dichloroethene
1,1-Dichloroethane
cis-1,2-Dichloroethene
1,1,1-Trichloroethane
Cyclohexane

Carbon tetrachloride
Benzene
Trichloroethene
Methylcyclohexane
1,2-Dichloropropane
Toluene
Tetrachloroethene
Chlorobenzene
Ethylbenzene
m, p-Xylene
Isopropylbenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,2-Dichlorobenzene
BE5Q5

Bromochloromethane BE5P8, BE5P8DL, BE5Q1, BE5Q1DL

1,1,2,2-Tetrachloroethane BE5N8, BE5P0, BE5P5, BE5P8, BE5P8DL, BE5Q0, BE5Q0DL, BE5Q1, BE5Q1DL, BE5Q5RE, BE5Q6

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev. 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev. 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev. 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BE5Q3 and BE5Q5

Several compounds results do not match for the field duplicate samples.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the

tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

Dilution analysis did not meet the contractual criteria for the following analytes. The dilution factor is not chosen correctly. The dilution factor chosen must keep the concentrations of the trace volatile target analytes that required dilution within the upper half of the initial calibration range. See Other Problems section for more detail.
BE5Q5RE: Chlorobenzene
BE5Q6: cis-1,2-Dichloroethene, 1,3-Dichlorobenzene

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

BE5Q5RE: Chlorobenzene result was over the calibration range (20 ug/L) for sample BE5Q5RE (result 400 E ug/L and CRQL 0.50 ug/L). Dilution analysis BE5Q5DL was performed but result (22.96 ug/L at dilution factor 20.0 = 460 E ug/l) was over the calibration range (20 ug/L). Using professional judgement, 460 E ug/L is better result. Therefore, Chlorobenzene result is reported from dilution run BE5Q5DL and qualified “J” as the reported value is over the calibration range.

BE5Q6:
cis-1,2-Dichloroethene result was over the calibration range (20 ug/L) for sample BE5Q6 (result 24 E ug/L and CRQL 0.50 ug/L). Dilution analysis BE5Q6DL was performed but the result (21 J ug/L) was less than the CRQL (25 ug/L). Using professional judgement and being conservative number, 24 E ug/L is a better result. Therefore, cis-1,2-Dichloroethene result is reported from initial run and qualified “J” as the reported value is over the calibration range.

1,3-Dichlorobenzene result was over the calibration range (20 ug/L) for sample BE5Q6 (result 24 E ug/L and CRQL 0.50 ug/L). Dilution analysis BE5Q6DL was performed but the result (24 J ug/L) was less than the CRQL (25 ug/L). Using professional judgement and being conservative number, 24 E ug/L is a better result. Therefore, 1,3-Dichlorobenzene result is reported from initial run and qualified “J” as the reported value is over the calibration range.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following diluted samples were used for one or more analytes;
BE5N1DL, BE5N7DL, BE5N8DL, BE5N9DL, BE5P0DL, BE5P1DL, BE5P2DL, BE5P3DL, BE5P4DL, BE5P5DL, BE5P6DL, BE5P7DL, BE5P8DL, BE5Q0DL, BE5Q1DL, BE5Q3DL, BE5Q4DL, BE5Q5DL, BE5Q6DL
The following initial analysis sample was not used;

BE5Q5

ANALYSIS: PEST (MA # 2826.2)

The current SOP HW-36A (Revision 1) October 2016, USEPA Region II for the evaluation of Pesticides data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

The cooler temperature exceeds 6°C (6.1°C, 7.2°C, 6.4°C) for the following pesticide samples. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

BE5P6, BE5P7, BE5P8, BE5Q3, BE5Q3DL, BE5Q4, BE5Q4DL, BE5Q5, BE5Q5DL, BE5Q6

The following pesticide samples are extracted outside the extraction holding time criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

BE5L7, BE5N1, BE5N1MS, BE5N1MSD, BE5N8, BE5N9

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Revision 1), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The following matrix/matrix spike duplicate samples have percent recoveries greater than or equal to the expanded minimum criteria but less than the primary minimum criteria. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

gamma-BHC (Lindane) BE5N1, BE5N1MS, BE5N1MSD

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

The following samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

alpha-BHC BE5N1, BE5N1MS, BE5N1MSD, BE5N9, BE5P0, BE5P2, BE5P6, BE5P7, BE5P8, BE5Q0, BE5Q0DL, BE5Q1, BE5Q1DL, BE5Q3, BE5Q4, BE5Q4DL, BE5Q5, BE5Q5DL, BE5Q6

B) Field or rinse blank contamination: BE5L7, BE5R1

The following samples have analyte concentrations reported less than the CRQL. The associated method blank concentration is less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQLs.

beta-BHC BE5N1, BE5N1MS, BE5N1MSD, BE5N7

4,4'-DDE BE5P0, BE5P3, BE5P8, BE5Q1DL, BE5Q5DL

cis-Chlordane BE5Q0DL, BE5Q1, BE5Q1DL

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

For the PESTICIDE fraction, if %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) The Percent Difference (%D) for each of the SCP and surrogate in the PEM used for CCV must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference (%D) between the calibration Factor (CF) for each of the SCP and surrogate in the Calibration Verification Standard (CS3) and the mean calibration factor from the initial calibration must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference not within limits, detected associated compounds are qualified "J" and non-detected associated compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BE5Q3 and BE5Q5

Several compounds results do not match for the field duplicate samples.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
> 50% (pesticide value < CRQL, value raised to CRQL)	U
> 200%	R

The following samples were qualified for % difference on the two columns.

BE5N1, BE5N1MS, BE5N1MSD, BE5N7, BE5N9, BE5P0, BE5P1, BE5P2, BE5P3, BE5P5, BE5P6, BE5P7, BE5P8, BE5Q0, BE5Q0DL, BE5Q1, BE5Q1DL, BE5Q3, BE5Q3DL, BE5Q4, BE5Q4DL, BE5Q5, BE5Q5DL, BE5Q6

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following diluted samples were used for one or more analytes;
BE5Q0DL, BE5Q1DL, BE5Q3DL, BE5Q4DL, BE5Q5DL

ANALYSIS: ARO (MA # 2720.2)

The current SOP HW-37A (Revision 0) June 2015, USEPA Region II for the evaluation of ARO data generated through Statement of Work SOM02.2 and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

The cooler temperature exceeds 6°C (6.1°C, 7.2°C, 6.4°C) for the following pesticide samples. Detected compounds are qualified J. Non-detected compounds are qualified UJ.

BE5P6, BE5P7, BE5P8, BE5Q3, BE5Q3DL, BE5Q4, BE5Q4DL, BE5Q5, BE5Q5DL, BE5Q6, BE5Q6DL

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Revision 0), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The following Aroclor matrix/matrix spike duplicate samples have percent recoveries that are greater than the upper acceptance limit. Detected compounds are qualified J. Non-detected compounds are not qualified.

Aroclor-1016 BE5N1, BE5N1MS, BE5N1MSD

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BE5L7, BE5R1

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):

For the ARO fraction, if %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ".

For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.
No problems were found for this criterion.

7. FIELD DUPLICATES: BE5Q3 and BE5Q5

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
> 50% (pesticide value < CRQL, value raised to CRQL)	U
> 200%	R

The following samples were qualified for % difference on the two columns.

BE5N1MS, BE5N1MSD, BE5Q0, BE5Q1

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None.

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following diluted samples were used for one or more analytes;
BE5Q0DL, BE5Q1DL, BE5Q3DL, BE5Q4DL, BE5Q5DL, BE5Q6DL

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ABLK01	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: ALCS01	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Spike	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K3	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW03-SH-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 14:11:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	4.1		ug/L	4.1	D	10.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K3	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW03-SH-S19	pH: 8	Sample Date: 06/12/2019	Sample Time: 14:11:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0064	J	1.0	YES	S3VEM
beta-BHC	Target	0.11	NJ	ug/L	0.11	P	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.0073	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.029	JP	1.0	YES	S3VEM
Heptachlor	Target	0.070	NJ	ug/L	0.070	P	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.0069	JP	1.0	YES	S3VEM
Dieldrin	Target	0.076		ug/L	0.076		1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.021	JP	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	1.7		ug/L	1.7	D	10.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.0021	J	ug/L	0.0021	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.074	NJ	ug/L	0.074	P	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.014	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.075		ug/L	0.075		1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW03-SH-S19	pH: 2	Sample Date: 06/12/2019	Sample Time: 14:11:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Vinyl chloride	Target	41	J	ug/L	41	J D	100.0	YES	S3VEM
Bromomethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichlorofluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethene	Target	19	J	ug/L	19	J D	100.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Acetone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Carbon disulfide	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methyl acetate	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methylene chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	300		ug/L	300	D	100.0	YES	S3VEM
Methyl tert-butyl ether	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	9800		ug/L	9800	D	1000.0	YES	S3VEM
2-Butanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Bromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,1-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Cyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Carbon tetrachloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Benzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichloroethene	Target	6600		ug/L	6600	D	1000.0	YES	S3VEM
Methylcyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromodichloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Toluene	Target	50	U	ug/L	6.8	J DB	100.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloroethane	Target	20	J	ug/L	20	J D	100.0	YES	S3VEM
Tetrachloroethene	Target	12	J	ug/L	12	J D	100.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Dibromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromoethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chlorobenzene	Target	7.5	J	ug/L	7.5	J D	100.0	YES	S3VEM
Ethylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
o-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
m, p-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Styrene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromoform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Isopropylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	50	UJ	ug/L	50	U	100.0	YES	S3VEM
1,3-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,4-Dichlorobenzene	Target	15	J	ug/L	15	J D	100.0	YES	S3VEM
1,2-Dichlorobenzene	Target	7.5	J	ug/L	7.5	J D	100.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	81		ug/L	81	DB	100.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	50	U	ug/L	18	J DB	100.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K4	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW04-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 18:13:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	4.2		ug/L	4.2	D	10.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K4	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW04-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 18:13:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0017	JP	1.0	YES	S3VEM
beta-BHC	Target	0.22	J	ug/L	0.22	P	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.0081	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.014	JP	1.0	YES	S3VEM
Heptachlor	Target	0.050	NJ	ug/L	0.050	P	1.0	YES	S3VEM
Aldrin	Target	0.054	NJ	ug/L	0.054	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.018	JP	1.0	YES	S3VEM
Endosulfan I	Target	0.0047	J	ug/L	0.0047	J	1.0	YES	S3VEM
Dieldrin	Target	0.075		ug/L	0.075		1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.019	JP	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.0046	J	ug/L	0.0046	J	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.0064	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.020	JP	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5K4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW04-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 18:13:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Chloromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Vinyl chloride	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Bromomethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Chloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Trichlorofluoromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1-Dichloroethene	Target	100	UJ	ug/L	100	U	200.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Acetone	Target	1000	U	ug/L	1000	U	200.0	YES	S3VEM
Carbon disulfide	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Methyl acetate	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Methylene chloride	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1500	J-	ug/L	1500	D	200.0	YES	S3VEM
Methyl tert-butyl ether	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1-Dichloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	12000	J	ug/L	12000	D	2000.0	YES	S3VEM
2-Butanone	Target	1000	U	ug/L	1000	U	200.0	YES	S3VEM
Bromochloromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Chloroform	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1,1-Trichloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Cyclohexane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Carbon tetrachloride	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Benzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dichloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Trichloroethene	Target	9900	J	ug/L	9900	D	2000.0	YES	S3VEM
Methylcyclohexane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dichloropropane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Bromodichloromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
4-Methyl-2-pentanone	Target	1000	U	ug/L	1000	U	200.0	YES	S3VEM
Toluene	Target	100	U	ug/L	10	J DB	200.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1,2-Trichloroethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Tetrachloroethene	Target	7.5	J	ug/L	7.5	J D	200.0	YES	S3VEM
2-Hexanone	Target	1000	U	ug/L	1000	U	200.0	YES	S3VEM
Dibromochloromethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dibromoethane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Chlorobenzene	Target	100	U	ug/L	13	J D	200.0	YES	S3VEM
Ethylbenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
o-Xylene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
m, p-Xylene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Styrene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Bromoform	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
Isopropylbenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	100	UJ	ug/L	100	U	200.0	YES	S3VEM
1,3-Dichlorobenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,4-Dichlorobenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dichlorobenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	100	U	ug/L	100	U	200.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	100	U	ug/L	43	J DB	200.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	100	U	ug/L	100	U	200.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW01A-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 08:23:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.29	J	ug/L	0.29		1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L0	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW01A-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 08:23:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.00070	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.014	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.0018	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.0036	J	ug/L	0.0036	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.0010	JP	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.0025	J	ug/L	0.0025	J	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.0014	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.0024	J	ug/L	0.0024	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.0049	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW01A-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 08:23:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	45		ug/L	45	D	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	2.2	J	ug/L	2.2	J D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	3.9		ug/L	3.9	D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	0.74	J	ug/L	0.74	J D	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	560		ug/L	560	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	0.20	J D	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	340		ug/L	340	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.24	J	ug/L	0.24	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	1.0	J D	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.85	J	ug/L	0.85	J D	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	1.4	J D	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	1.2	J	ug/L	1.2	J D	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5		ug/L	2.5	D	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	1.1	J DB	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L9	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW16-1-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L9	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW16-1-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
beta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Aldrin	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.0014	JP	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.0012	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.0021	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5L9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-1-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	7.0		ug/L	7.0	D	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	1.2	J	ug/L	1.2	J D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.8		ug/L	6.8	D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	260		ug/L	260	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	0.25	J D	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	330		ug/L	330	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	0.18	J D	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.18	J	ug/L	0.18	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	0.76	J D	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	0.85	J D	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.76	J	ug/L	0.76	J D	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.73	J	ug/L	0.73	J D	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW16-2-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M0	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW16-2-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
beta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Aldrin	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.0014	JP	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.0024	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-2-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	8.9		ug/L	8.9	D	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	1.9	J	ug/L	1.9	J D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	4.2		ug/L	4.2	D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	0.74	J	ug/L	0.74	J D	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	420		ug/L	420	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	0.28	J	ug/L	0.28	J D	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	460		ug/L	460	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.19	J	ug/L	0.19	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	0.74	J D	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	0.63	J D	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.54	J	ug/L	0.54	J D	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.67	J	ug/L	0.67	J D	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M1	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW16-3-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M1	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW16-3-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.019	JP	1.0	YES	S3VEM
beta-BHC	Target	0.031	U	ug/L	0.017	JP	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.0025	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor	Target	0.0099	J	ug/L	0.0099	J	1.0	YES	S3VEM
Aldrin	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.052	U	ug/L	0.010	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.00090	J	ug/L	0.00090	JP	1.0	YES	S3VEM
Endrin	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan II	Target	0.0097	J	ug/L	0.0097	J	1.0	YES	S3VEM
4,4'-DDD	Target	0.052	U	ug/L	0.0016	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.052	U	ug/L	0.0025	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.052	U	ug/L	0.0052	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.0023	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.0078	J	ug/L	0.0078	J	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M1	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-3-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Chloromethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Vinyl chloride	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Bromomethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Chloroethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Trichlorofluoromethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,1-Dichloroethene	Target	11	J	ug/L	11	J D	50.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Acetone	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Carbon disulfide	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Methyl acetate	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Methylene chloride	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	5.2	J	ug/L	5.2	J D	50.0	YES	S3VEM
Methyl tert-butyl ether	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,1-Dichloroethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	470		ug/L	470	D	50.0	YES	S3VEM
2-Butanone	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Bromochloromethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Chloroform	Target	25	U	ug/L	2.7	J D	50.0	YES	S3VEM
1,1,1-Trichloroethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Cyclohexane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Carbon tetrachloride	Target	2.8	J	ug/L	2.8	J D	50.0	YES	S3VEM
Benzene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,2-Dichloroethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Trichloroethene	Target	2700		ug/L	2700	D	500.0	YES	S3VEM
Methylcyclohexane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,2-Dichloropropane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Bromodichloromethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
4-Methyl-2-pentanone	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Toluene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,1,2-Trichloroethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Tetrachloroethene	Target	8.4	J	ug/L	8.4	J D	50.0	YES	S3VEM
2-Hexanone	Target	250	U	ug/L	250	U	50.0	YES	S3VEM
Dibromochloromethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,2-Dibromoethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Chlorobenzene	Target	25	U	ug/L	1.6	J D	50.0	YES	S3VEM
Ethylbenzene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
o-Xylene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
m, p-Xylene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Styrene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Bromoform	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
Isopropylbenzene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,3-Dichlorobenzene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,4-Dichlorobenzene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,2-Dichlorobenzene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	25	U	ug/L	25	U	50.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M2	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW16-4-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M2	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW16-4-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.012	JP	1.0	YES	S3VEM
beta-BHC	Target	0.031	U	ug/L	0.014	JP	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Aldrin	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.0098	J	ug/L	0.0098	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endrin	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan II	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.0021	J	ug/L	0.0021	J	1.0	YES	S3VEM
Endrin aldehyde	Target	0.23		ug/L	0.23		1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-4-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Chloromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Vinyl chloride	Target	10		ug/L	10	D	20.0	YES	S3VEM
Bromomethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Chloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Trichlorofluoromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1-Dichloroethene	Target	4.0	J	ug/L	4.0	J D	20.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Acetone	Target	100	U	ug/L	100	U	20.0	YES	S3VEM
Carbon disulfide	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Methyl acetate	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Methylene chloride	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	7.5	J	ug/L	7.5	J D	20.0	YES	S3VEM
Methyl tert-butyl ether	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1-Dichloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	740		ug/L	740	D	200.0	YES	S3VEM
2-Butanone	Target	100	U	ug/L	100	U	20.0	YES	S3VEM
Bromochloromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Chloroform	Target	10	U	ug/L	1.1	J D	20.0	YES	S3VEM
1,1,1-Trichloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Cyclohexane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Carbon tetrachloride	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Benzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dichloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Trichloroethene	Target	3000		ug/L	3000	D	200.0	YES	S3VEM
Methylcyclohexane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dichloropropane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Bromodichloromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
4-Methyl-2-pentanone	Target	100	U	ug/L	100	U	20.0	YES	S3VEM
Toluene	Target	10	U	ug/L	1.1	J D	20.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1,2-Trichloroethane	Target	1.9	J	ug/L	1.9	J D	20.0	YES	S3VEM
Tetrachloroethene	Target	4.7	J	ug/L	4.7	J D	20.0	YES	S3VEM
2-Hexanone	Target	100	U	ug/L	100	U	20.0	YES	S3VEM
Dibromochloromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dibromoethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Chlorobenzene	Target	10	U	ug/L	2.0	J D	20.0	YES	S3VEM
Ethylbenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
o-Xylene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
m, p-Xylene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Styrene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Bromoform	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Isopropylbenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,3-Dichlorobenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,4-Dichlorobenzene	Target	10	U	ug/L	1.4	J D	20.0	YES	S3VEM
1,2-Dichlorobenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	4.9	J	ug/L	4.9	J D	20.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M3	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW16-5-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M3	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW16-5-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.033	U	ug/L	0.022	JP	1.0	YES	S3VEM
beta-BHC	Target	0.050		ug/L	0.050		1.0	YES	S3VEM
delta-BHC	Target	0.033	U	ug/L	0.0014	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.0095	J	ug/L	0.0095	JP	1.0	YES	S3VEM
Heptachlor	Target	0.033	U	ug/L	0.0027	JP	1.0	YES	S3VEM
Aldrin	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Endosulfan I	Target	0.033	U	ug/L	0.0036	JP	1.0	YES	S3VEM
Dieldrin	Target	0.054	U	ug/L	0.0072	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.054	U	ug/L	0.0010	JP	1.0	YES	S3VEM
Endrin	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan II	Target	0.054	U	ug/L	0.0047	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.054	U	ug/L	0.0021	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Methoxychlor	Target	0.27	U	ug/L	0.27	U	1.0	YES	S3VEM
Endrin ketone	Target	0.054	U	ug/L	0.054	U	1.0	YES	S3VEM
Endrin aldehyde	Target	29		ug/L	0.27	D	5.0	YES	S3VEM
cis-Chlordane	Target	0.033	U	ug/L	0.0034	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.0068	J	ug/L	0.0068	J	1.0	YES	S3VEM
Toxaphene	Target	2.7	U	ug/L	2.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-5-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Chloromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Vinyl chloride	Target	14		ug/L	14	D	20.0	YES	S3VEM
Bromomethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Chloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Trichlorofluoromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1-Dichloroethene	Target	3.8	J	ug/L	3.8	J D	20.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Acetone	Target	100	U	ug/L	100	U	20.0	YES	S3VEM
Carbon disulfide	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Methyl acetate	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Methylene chloride	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	11		ug/L	11	D	20.0	YES	S3VEM
Methyl tert-butyl ether	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1-Dichloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	850		ug/L	850	D	200.0	YES	S3VEM
2-Butanone	Target	100	U	ug/L	100	U	20.0	YES	S3VEM
Bromochloromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Chloroform	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1,1-Trichloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Cyclohexane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Carbon tetrachloride	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Benzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dichloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Trichloroethene	Target	2000		ug/L	2000	D	200.0	YES	S3VEM
Methylcyclohexane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dichloropropane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Bromodichloromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
4-Methyl-2-pentanone	Target	100	U	ug/L	100	U	20.0	YES	S3VEM
Toluene	Target	10	U	ug/L	0.77	J DB	20.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1,2-Trichloroethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Tetrachloroethene	Target	3.0	J	ug/L	3.0	J D	20.0	YES	S3VEM
2-Hexanone	Target	100	U	ug/L	100	U	20.0	YES	S3VEM
Dibromochloromethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dibromoethane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Chlorobenzene	Target	10	U	ug/L	1.4	J D	20.0	YES	S3VEM
Ethylbenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
o-Xylene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
m, p-Xylene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Styrene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Bromoform	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
Isopropylbenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	10	UJ	ug/L	10	U	20.0	YES	S3VEM
1,3-Dichlorobenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,4-Dichlorobenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dichlorobenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	10	U	ug/L	10	U	20.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M4	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW16-6-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M4	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW16-6-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.032	U	ug/L	0.011	JP	1.0	YES	S3VEM
beta-BHC	Target	0.032	U	ug/L	0.016	JP	1.0	YES	S3VEM
delta-BHC	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Heptachlor	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Aldrin	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Endosulfan I	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Dieldrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endrin	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endosulfan II	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Methoxychlor	Target	0.27	U	ug/L	0.27	U	1.0	YES	S3VEM
Endrin ketone	Target	0.053	U	ug/L	0.053	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.30		ug/L	0.30		1.0	YES	S3VEM
cis-Chlordane	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.032	U	ug/L	0.032	U	1.0	YES	S3VEM
Toxaphene	Target	2.7	U	ug/L	2.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-6-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	1.8		ug/L	1.8		1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.80		ug/L	0.80		1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.63		ug/L	0.63		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	6.6		ug/L	6.6		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.73		ug/L	0.73		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.44	J	ug/L	0.44	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	150	J	ug/L	150	D	20.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.39	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.17	J	ug/L	0.17	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	66	J	ug/L	66	D	20.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
Tetrachloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.29	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.11	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	1.4	J	ug/L	1.4	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-02	TIC	0.65	J	ug/L	0.65	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW16-7-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	UJ	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M5	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW16-7-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.033	UJ	ug/L	0.0070	JP	1.0	YES	S3VEM
beta-BHC	Target	0.033	UJ	ug/L	0.0090	J	1.0	YES	S3VEM
delta-BHC	Target	0.033	UJ	ug/L	0.033	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.033	UJ	ug/L	0.033	U	1.0	YES	S3VEM
Heptachlor	Target	0.033	UJ	ug/L	0.033	U	1.0	YES	S3VEM
Aldrin	Target	0.033	UJ	ug/L	0.033	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.033	UJ	ug/L	0.033	U	1.0	YES	S3VEM
Endosulfan I	Target	0.033	UJ	ug/L	0.033	U	1.0	YES	S3VEM
Dieldrin	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Endrin	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Endosulfan II	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.054	UJ	ug/L	0.0041	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Methoxychlor	Target	0.27	UJ	ug/L	0.27	U	1.0	YES	S3VEM
Endrin ketone	Target	0.054	UJ	ug/L	0.054	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.11	J	ug/L	0.11		1.0	YES	S3VEM
cis-Chlordane	Target	0.033	UJ	ug/L	0.033	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.033	UJ	ug/L	0.033	U	1.0	YES	S3VEM
Toxaphene	Target	2.7	UJ	ug/L	2.7	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-7-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	4.8		ug/L	4.8	D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	3.8		ug/L	3.8	D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	3.9		ug/L	3.9	D	5.0	YES	S3VEM
1,1-Dichloroethane	Target	1.0	J	ug/L	1.0	J D	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	550		ug/L	550	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	0.35	J D	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	450		ug/L	450	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	0.20	J DB	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	3.7		ug/L	3.7	D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	0.31	J D	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	UJ	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5	U	ug/L	2.4	J DB	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	1.7	J DB	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M6	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: FD061119	pH: 8	Sample Date: 06/11/2019	Sample Time: 15:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1242	Target	25		ug/L	25	D	50.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M6	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: FD061119	pH: 8	Sample Date: 06/11/2019	Sample Time: 15:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0010	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.0099	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.015	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.15	NJ	ug/L	0.15	P	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.027	JP	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.0016	JP	1.0	YES	S3VEM
Dieldrin	Target	0.028	J	ug/L	0.028	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.0067	JP	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.0042	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.0056	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.0019	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.029	J	ug/L	0.029	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.0038	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.0087	JP	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FD061119	pH: 2	Sample Date: 06/11/2019	Sample Time: 15:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Vinyl chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromomethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichlorofluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Acetone	Target	500	U	ug/L	340	J D	100.0	YES	S3VEM
Carbon disulfide	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methyl acetate	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methylene chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	840		ug/L	840	D	100.0	YES	S3VEM
Methyl tert-butyl ether	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6300		ug/L	6300	D	1000.0	YES	S3VEM
2-Butanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Bromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,1-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Cyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Carbon tetrachloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Benzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichloroethene	Target	3800		ug/L	3800	D	1000.0	YES	S3VEM
Methylcyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromodichloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Toluene	Target	50	U	ug/L	3.4	J DB	100.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Tetrachloroethene	Target	1300		ug/L	1300	D	100.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Dibromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromoethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Ethylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
o-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
m, p-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Styrene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromoform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Isopropylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,3-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,4-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	50	U	ug/L	38	J DB	100.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M7	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW06-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	UJ	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1221	Target	1.0	UJ	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1232	Target	1.0	UJ	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1242	Target	29	J	ug/L	29	D	50.0	YES	S3VEM
Aroclor-1248	Target	1.0	UJ	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1254	Target	1.0	UJ	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1260	Target	1.0	UJ	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1262	Target	1.0	UJ	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1268	Target	1.0	UJ	ug/L	1.0	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M7	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW06-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	UJ	ug/L	0.0010	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	UJ	ug/L	0.012	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.14	R	ug/L	0.14	P	1.0	YES	S3VEM
Heptachlor	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	UJ	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	UJ	ug/L	0.0016	JP	1.0	YES	S3VEM
Dieldrin	Target	0.038	J	ug/L	0.038	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	UJ	ug/L	0.0092	JP	1.0	YES	S3VEM
Endrin	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	UJ	ug/L	0.0029	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	UJ	ug/L	0.0077	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	UJ	ug/L	0.0023	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.044	J	ug/L	0.044	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.25	UJ	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	UJ	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	UJ	ug/L	0.011	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	UJ	ug/L	0.0078	JP	1.0	YES	S3VEM
Toxaphene	Target	2.5	UJ	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW06-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Vinyl chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromomethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichlorofluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Acetone	Target	500	U	ug/L	340	J D	100.0	YES	S3VEM
Carbon disulfide	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methyl acetate	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methylene chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	980		ug/L	980	D	100.0	YES	S3VEM
Methyl tert-butyl ether	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	6000		ug/L	6000	D	1000.0	YES	S3VEM
2-Butanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Bromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,1-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Cyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Carbon tetrachloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Benzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichloroethene	Target	3700		ug/L	3700	D	1000.0	YES	S3VEM
Methylcyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromodichloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Toluene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloroethane	Target	13	J	ug/L	13	J D	100.0	YES	S3VEM
Tetrachloroethene	Target	1300		ug/L	1300	D	100.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Dibromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromoethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Ethylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
o-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
m, p-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Styrene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromoform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Isopropylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,3-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,4-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	50	U	ug/L	38	J DB	100.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M8	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW12-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1242	Target	50		ug/L	50	D	50.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M8	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW12-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.0040	JP	1.0	YES	S3VEM
beta-BHC	Target	0.57	J	ug/L	0.57	DP	5.0	YES	S3VEM
delta-BHC	Target	0.034	R	ug/L	0.034	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.16	R	ug/L	0.16	P	1.0	YES	S3VEM
Heptachlor	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Aldrin	Target	0.085	R	ug/L	0.085	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.012	JP	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.018	JP	1.0	YES	S3VEM
Dieldrin	Target	0.28	J	ug/L	0.28		1.0	YES	S3VEM
4,4'-DDE	Target	0.072	NJ	ug/L	0.072	P	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.023	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.0036	J	ug/L	0.0036	J	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.0012	J	ug/L	0.0012	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.070		ug/L	0.070		1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.075	J	ug/L	0.075	P	1.0	YES	S3VEM
trans-Chlordane	Target	0.059	R	ug/L	0.059	P	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW12-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Vinyl chloride	Target	55		ug/L	55	D	100.0	YES	S3VEM
Bromomethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichlorofluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethene	Target	18	J	ug/L	18	J D	100.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Acetone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Carbon disulfide	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methyl acetate	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methylene chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	77		ug/L	77	D	100.0	YES	S3VEM
Methyl tert-butyl ether	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	11000		ug/L	11000	D	1000.0	YES	S3VEM
2-Butanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Bromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,1-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Cyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Carbon tetrachloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Benzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichloroethene	Target	8000		ug/L	8000	D	1000.0	YES	S3VEM
Methylcyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromodichloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Toluene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloroethane	Target	19	J	ug/L	19	J D	100.0	YES	S3VEM
Tetrachloroethene	Target	11	J	ug/L	11	J D	100.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Dibromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromoethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chlorobenzene	Target	50	U	ug/L	15	J D	100.0	YES	S3VEM
Ethylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
o-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
m, p-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Styrene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromoform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Isopropylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,3-Dichlorobenzene	Target	59		ug/L	59	D	100.0	YES	S3VEM
1,4-Dichlorobenzene	Target	110		ug/L	110	D	100.0	YES	S3VEM
1,2-Dichlorobenzene	Target	59		ug/L	59	D	100.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	1100		ug/L	1100	DB	100.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	270		ug/L	270	DB	100.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M8MS	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH: 8	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	37	J	ug/L	37	E D	5.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1242	Target	41		ug/L	41	E D	5.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1260	Spike	2.6	J	ug/L	2.6	DP	5.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M8MS	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH: 8	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.015	JP	1.0	YES	S3VEM
beta-BHC	Target	0.46	NJ	ug/L	0.46	EP	1.0	YES	S3VEM
delta-BHC	Target	0.035	R	ug/L	0.035	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.36	NJ	ug/L	0.36	P	1.0	YES	S3VEM
Heptachlor	Spike	0.16	R	ug/L	0.16	P	1.0	YES	S3VEM
Aldrin	Spike	0.15	NJ	ug/L	0.15	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.012	JP	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.018	JP	1.0	YES	S3VEM
Dieldrin	Spike	0.36	NJ	ug/L	0.36	P	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.0039	JP	1.0	YES	S3VEM
Endrin	Spike	0.36		ug/L	0.36		1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.021	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.0083	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Spike	0.44		ug/L	0.44		1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.0033	J	ug/L	0.0033	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.0055	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.10		ug/L	0.10		1.0	YES	S3VEM
trans-Chlordane	Target	0.058	R	ug/L	0.058	P	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M8MSD	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location:	pH: 8	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Spike	36	J	ug/L	36	E DP	5.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1242	Target	41		ug/L	41	E D	5.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1254	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1260	Spike	2.6	J	ug/L	2.6	DP	5.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M8MSD	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH: 8	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.0052	JP	1.0	YES	S3VEM
beta-BHC	Target	0.49	NJ	ug/L	0.49	EP	1.0	YES	S3VEM
delta-BHC	Target	0.038	R	ug/L	0.038	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.37	NJ	ug/L	0.37	P	1.0	YES	S3VEM
Heptachlor	Spike	0.18	R	ug/L	0.18	P	1.0	YES	S3VEM
Aldrin	Spike	0.16	R	ug/L	0.16	P	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.015	JP	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.021	JP	1.0	YES	S3VEM
Dieldrin	Spike	0.39	NJ	ug/L	0.39	P	1.0	YES	S3VEM
4,4'-DDE	Target	0.052	U	ug/L	0.0041	JP	1.0	YES	S3VEM
Endrin	Spike	0.40		ug/L	0.40		1.0	YES	S3VEM
Endosulfan II	Target	0.052	U	ug/L	0.027	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.0092	J	ug/L	0.0092	J	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.052	U	ug/L	0.0012	JP	1.0	YES	S3VEM
4,4'-DDT	Spike	0.50		ug/L	0.50		1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.0041	J	ug/L	0.0041	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.0073	J	ug/L	0.0073	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.13		ug/L	0.13		1.0	YES	S3VEM
trans-Chlordane	Target	0.068	R	ug/L	0.068	P	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M9	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-MW11-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1221	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1232	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1242	Target	20		ug/L	20	D	50.0	YES	S3VEM
Aroclor-1248	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1254	Target	8.4		ug/L	8.4	D	5.0	YES	S3VEM
Aroclor-1260	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1262	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM
Aroclor-1268	Target	1.0	U	ug/L	1.0	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M9	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-MW11-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0054	JP	1.0	YES	S3VEM
beta-BHC	Target	2.2		ug/L	2.2	D	10.0	YES	S3VEM
delta-BHC	Target	0.060		ug/L	0.060	P	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.078	NJ	ug/L	0.078	P	1.0	YES	S3VEM
Heptachlor	Target	0.32	NJ	ug/L	0.32	P	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.022	J	ug/L	0.022	J	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.096	NJ	ug/L	0.096	P	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.016	JP	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.23		ug/L	0.23		1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.014	JP	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.0067	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.019	JP	1.0	YES	S3VEM
cis-Chlordane	Target	0.083		ug/L	0.083		1.0	YES	S3VEM
trans-Chlordane	Target	0.10	NJ	ug/L	0.10	P	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5M9	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW11-SH-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 14:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Chloromethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Vinyl chloride	Target	800	J	ug/L	800	J D	5000.0	YES	S3VEM
Bromomethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Chloroethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Trichlorofluoromethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,1-Dichloroethene	Target	2500	UJ	ug/L	2500	U	5000.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Acetone	Target	25000	U	ug/L	25000	U	5000.0	YES	S3VEM
Carbon disulfide	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Methyl acetate	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Methylene chloride	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1100	J-	ug/L	1100	J D	5000.0	YES	S3VEM
Methyl tert-butyl ether	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,1-Dichloroethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	400000	J-	ug/L	400000	D	50000.0	YES	S3VEM
2-Butanone	Target	25000	U	ug/L	25000	U	5000.0	YES	S3VEM
Bromochloromethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Chloroform	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Cyclohexane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Carbon tetrachloride	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Benzene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,2-Dichloroethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Trichloroethene	Target	110000		ug/L	86000	D	5000.0	YES	S3VEM
Methylcyclohexane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,2-Dichloropropane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Bromodichloromethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25000	U	ug/L	25000	U	5000.0	YES	S3VEM
Toluene	Target	2500	U	ug/L	170	J D	5000.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Tetrachloroethene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
2-Hexanone	Target	25000	U	ug/L	25000	U	5000.0	YES	S3VEM
Dibromochloromethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,2-Dibromoethane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Chlorobenzene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Ethylbenzene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
o-Xylene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
m, p-Xylene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Styrene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Bromoform	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
Isopropylbenzene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2500	UJ	ug/L	2500	U	5000.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	610	J	ug/L	610	J D	5000.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2500	U	ug/L	2500	U	5000.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
1,1'-Biphenyl, 2,2'-dichloro-	TIC	2600	NJ D	ug/L	2600	NJ D	5000.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N0	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-1-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N0	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-1-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0046	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.0043	JP	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.00080	J	ug/L	0.00080	J	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.061		ug/L	0.061		1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N0	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-1-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Vinyl chloride	Target	260		ug/L	260	D	100.0	YES	S3VEM
Bromomethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichlorofluoromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethene	Target	1.5	J	ug/L	1.5	J D	10.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Acetone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Carbon disulfide	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methyl acetate	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Methylene chloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	12		ug/L	12	D	10.0	YES	S3VEM
Methyl tert-butyl ether	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1-Dichloroethane	Target	1.8	J	ug/L	1.8	J D	10.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	660		ug/L	660	D	100.0	YES	S3VEM
2-Butanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Bromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chloroform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,1-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Cyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Carbon tetrachloride	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Benzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Trichloroethene	Target	1.1	J	ug/L	1.1	J D	10.0	YES	S3VEM
Methylcyclohexane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromodichloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
4-Methyl-2-pentanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Toluene	Target	5.0	U	ug/L	0.41	J DB	10.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2-Trichloroethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Tetrachloroethene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
2-Hexanone	Target	50	U	ug/L	50	U	10.0	YES	S3VEM
Dibromochloromethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromoethane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Chlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Ethylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
o-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
m, p-Xylene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Styrene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Bromoform	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
Isopropylbenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	5.0	UJ	ug/L	5.0	U	10.0	YES	S3VEM
1,3-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,4-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	5.0	U	ug/L	5.0	U	10.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N2	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-3-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.35		ug/L	0.35		1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N2	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-3-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.0035	JP	1.0	YES	S3VEM
beta-BHC	Target	0.031	U	ug/L	0.014	JP	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.0015	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	U	ug/L	0.0047	JP	1.0	YES	S3VEM
Heptachlor	Target	0.0074	J	ug/L	0.0074	J	1.0	YES	S3VEM
Aldrin	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.052	U	ug/L	0.0014	JP	1.0	YES	S3VEM
Endrin	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan II	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.052	U	ug/L	0.052	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.013	J	ug/L	0.013	J	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N2	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-3-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Vinyl chloride	Target	46	J	ug/L	46	J D	100.0	YES	S3VEM
Bromomethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichlorofluoromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethene	Target	11	J	ug/L	11	J D	100.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Acetone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Carbon disulfide	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methyl acetate	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Methylene chloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	25	J	ug/L	25	J D	100.0	YES	S3VEM
Methyl tert-butyl ether	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	2900		ug/L	2900	D	1000.0	YES	S3VEM
2-Butanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Bromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chloroform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,1-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Cyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Carbon tetrachloride	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Benzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Trichloroethene	Target	6200		ug/L	6200	D	1000.0	YES	S3VEM
Methylcyclohexane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromodichloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
4-Methyl-2-pentanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Toluene	Target	50	U	ug/L	4.0	J DB	100.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2-Trichloroethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Tetrachloroethene	Target	9.5	J	ug/L	9.5	J D	100.0	YES	S3VEM
2-Hexanone	Target	500	U	ug/L	500	U	100.0	YES	S3VEM
Dibromochloromethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromoethane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Chlorobenzene	Target	50	U	ug/L	3.8	J D	100.0	YES	S3VEM
Ethylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
o-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
m, p-Xylene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Styrene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Bromoform	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
Isopropylbenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	50	UJ	ug/L	50	U	100.0	YES	S3VEM
1,3-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,4-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	50	U	ug/L	50	U	100.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	50	U	ug/L	48	J DB	100.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	50	U	ug/L	50	U	100.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N3	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-4-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N3	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-4-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.0055	JP	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.0078	JP	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.0013	JP	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.051	U	ug/L	0.0010	JP	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.086		ug/L	0.086		1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N3	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-4-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	85		ug/L	85	D	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	3.2		ug/L	3.2	D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	3.3		ug/L	3.3	D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	5.4		ug/L	5.4	D	5.0	YES	S3VEM
1,1-Dichloroethane	Target	1.0	J	ug/L	1.0	J D	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	470		ug/L	470	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	0.26	J D	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	480		ug/L	480	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	0.31	J DB	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	2.6		ug/L	2.6	D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	0.68	J D	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	UJ	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.73	J	ug/L	0.73	J D	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	1.4	J D	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.46	J	ug/L	0.46	J D	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	8.4		ug/L	8.4	DB	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.2	J DB	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N4	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-5-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N4	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-5-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.033	U	ug/L	0.0049	JP	1.0	YES	S3VEM
beta-BHC	Target	0.033	U	ug/L	0.0090	J	1.0	YES	S3VEM
delta-BHC	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Heptachlor	Target	0.0050	J	ug/L	0.0050	J	1.0	YES	S3VEM
Aldrin	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Endosulfan I	Target	0.033	U	ug/L	0.033	U	1.0	YES	S3VEM
Dieldrin	Target	0.056	U	ug/L	0.056	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.0011	J	ug/L	0.0011	JP	1.0	YES	S3VEM
Endrin	Target	0.056	U	ug/L	0.056	U	1.0	YES	S3VEM
Endosulfan II	Target	0.056	U	ug/L	0.056	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.056	U	ug/L	0.0025	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.0021	J	ug/L	0.0021	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.056	U	ug/L	0.0056	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.28	U	ug/L	0.28	U	1.0	YES	S3VEM
Endrin ketone	Target	0.056	U	ug/L	0.0024	JP	1.0	YES	S3VEM
Endrin aldehyde	Target	0.056	U	ug/L	0.056	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.033	U	ug/L	0.0016	JP	1.0	YES	S3VEM
trans-Chlordane	Target	0.033	U	ug/L	0.0067	JP	1.0	YES	S3VEM
Toxaphene	Target	2.8	U	ug/L	2.8	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N4	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-5-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	25		ug/L	25	D	10.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	2.6		ug/L	2.6		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	1.9	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.0		ug/L	1.0		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	10		ug/L	10		1.0	YES	S3VEM
1,1-Dichloroethane	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	75		ug/L	75	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.21	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.065	J	ug/L	0.065	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	29		ug/L	29	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.058	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.2		ug/L	1.2		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.32	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.46	J	ug/L	0.46	J	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.37	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.42	J	ug/L	0.42	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N5	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-6-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N5	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-6-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.0039	JP	1.0	YES	S3VEM
beta-BHC	Target	0.031	U	ug/L	0.0092	J	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.0039	JP	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	U	ug/L	0.0023	JP	1.0	YES	S3VEM
Heptachlor	Target	0.0020	J	ug/L	0.0020	J	1.0	YES	S3VEM
Aldrin	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.0021	JP	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.0079	JP	1.0	YES	S3VEM
4,4'-DDE	Target	0.0027	J	ug/L	0.0027	JP	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.0026	JP	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.0021	JP	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.0012	JP	1.0	YES	S3VEM
4,4'-DDT	Target	0.013	J	ug/L	0.013	JP	1.0	YES	S3VEM
Methoxychlor	Target	0.0094	J	ug/L	0.0094	J	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.046	J	ug/L	0.046	J	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	U	ug/L	0.0033	JP	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N5	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-6-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	47		ug/L	47	D	10.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.9		1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.82	J+	ug/L	0.82		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.65		ug/L	0.65		1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	49		ug/L	49	D	10.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.049	JB	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.26	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.14	J	ug/L	0.14	J	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.099	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Heptanone, 2,6-dimethyl-	TIC	2.4	NJ	ug/L	2.4	NJ	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N6	Method: Aroclors	Matrix: Water	MA Number: 2720.2
Sample Location: LTM03-FWP-7-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Aroclor-1016	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1221	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1232	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1242	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1248	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1254	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1260	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1262	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM
Aroclor-1268	Target	0.20	U	ug/L	0.20	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N6	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location: LTM03-FWP-7-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.031	U	ug/L	0.0076	JP	1.0	YES	S3VEM
beta-BHC	Target	0.031	U	ug/L	0.010	JP	1.0	YES	S3VEM
delta-BHC	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor	Target	0.031	U	ug/L	0.0016	JP	1.0	YES	S3VEM
Aldrin	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Endosulfan I	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
Dieldrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.0014	J	ug/L	0.0014	J	1.0	YES	S3VEM
Endrin	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan II	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Methoxychlor	Target	0.26	U	ug/L	0.26	U	1.0	YES	S3VEM
Endrin ketone	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.051	U	ug/L	0.051	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.031	U	ug/L	0.031	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.031	U	ug/L	0.0015	JP	1.0	YES	S3VEM
Toxaphene	Target	2.6	U	ug/L	2.6	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5N6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-FWP-7-S19	pH: 2	Sample Date: 06/11/2019	Sample Time: 17:45:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	130		ug/L	130	D	50.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	2.0	J	ug/L	2.0	J D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.90	J	ug/L	0.90	J D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	0.93	J	ug/L	0.93	J D	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	80		ug/L	80	D	5.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	28		ug/L	28	D	5.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	0.17	J D	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.44	J	ug/L	0.44	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	0.48	J D	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	UJ	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.49	J	ug/L	0.49	J D	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PBLK33	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PBLK34	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDE	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PLCS33	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.018	J	ug/L	0.018	J	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.020	J	ug/L	0.020	J	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.037	J	ug/L	0.037	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.036	J	ug/L	0.036	J	1.0	YES	S3VEM
Endrin	Spike	0.040	J	ug/L	0.040	J	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Spike	0.027	J	ug/L	0.027	J	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Spike	0.018	J	ug/L	0.018	J	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: PLCS34	Method: Pesticides	Matrix: Water	MA Number: 2826.2
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
alpha-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
beta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
delta-BHC	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
gamma-BHC (Lindane)	Spike	0.017	J	ug/L	0.017	J	1.0	YES	S3VEM
Heptachlor	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Aldrin	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Heptachlor epoxide	Spike	0.019	J	ug/L	0.019	J	1.0	YES	S3VEM
Endosulfan I	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
Dieldrin	Spike	0.034	J	ug/L	0.034	J	1.0	YES	S3VEM
4,4'-DDE	Spike	0.034	J	ug/L	0.034	J	1.0	YES	S3VEM
Endrin	Spike	0.038	J	ug/L	0.038	J	1.0	YES	S3VEM
Endosulfan II	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
4,4'-DDD	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endosulfan sulfate	Spike	0.027	J	ug/L	0.027	J	1.0	YES	S3VEM
4,4'-DDT	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Methoxychlor	Target	0.25	U	ug/L	0.25	U	1.0	YES	S3VEM
Endrin ketone	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
Endrin aldehyde	Target	0.050	U	ug/L	0.050	U	1.0	YES	S3VEM
cis-Chlordane	Target	0.030	U	ug/L	0.030	U	1.0	YES	S3VEM
trans-Chlordane	Spike	0.017	J	ug/L	0.017	J	1.0	YES	S3VEM
Toxaphene	Target	2.5	U	ug/L	2.5	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKPJ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.24	J	ug/L	0.24	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKPZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.036	J	ug/L	0.036	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKQH	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.037	J	ug/L	0.037	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.053	J	ug/L	0.053	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKQQ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.29	J	ug/L	0.29	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRB	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.052	J	ug/L	0.052	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRC	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKRU	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.27	J	ug/L	0.27	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKSZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5K3** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5K3	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics, Inc.
Number of Samples: 20 (Water)
Analysis: TVOA, PEST and ARO

SDG No.: BE5K3
Laboratory: Shealy Environmental Services, Inc.
Sampling date: 6/11/19-6/12/19
Validation SOP: HW-34A (Rev. 1), HW-36A (Rev.1), HW-37A (Rev.0)

QAPP:
Contractor: EA Engineering, Science and Technology, Inc.
Reference: CN W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:
Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
The following samples have analytes that have been qualified R due to %D between the two the columns greater than 200%.
PEST: BE5M7, BE5M8

Major Findings:
The following samples have analytes that have been qualified J, J+ or J-;
TVOA: BE5K3, BE5K4, BE5K4DL, BE5M3, BE5M5, BE5M9, BE5M9DL, BE5N0, BE5N2, BE5N3, BE5N5, BE5N6
PEST: BE5K3, BE5K4, BE5L0, BE5M5, BE5M6, BE5M7, BE5M8, BE5M8DL, BE5M9
ARO: BE5L0, BE5M5, BE5M7

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	**TVOA, PEST** and **ARO:** one or more detected and non-detected analytes exceeded the project action level in one or more samples. **TVOA:** One or more detected analytes exceeded the project action level by more than 100 fold.

Reviewer Name(s): Israel Okwuonu

Approver's Signature: **Date: 07/19/2019**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Rev. 1) September, 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degree or below 2 degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's):

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev. 1) to all the samples and analytes as shown below.

The following samples have DMC/surrogate percent recoveries less than the primary minimum criteria but greater than or equal to the expanded minimum criteria. Detects are qualified as estimated J-. Non-detects are qualified as estimated UJ.

1,1-Dichloroethene-d2 BE5K4, BE5M9, BE5N6DL
trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,1-Dichloroethene

The following sample has DMC/surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Non-detects are not qualified.

1,2-Dichloroethane-d4 BE5N5
Trichlorofluoromethane, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Methyl acetate, Methylene chloride, Methyl-tert-butyl ether, 1,1,1-Trichloroethane, Carbon tetrachloride, 1,2-Dichloroethane, 1,2-Dibromoethane

1,1,2,2-Tetrachloroethane-d2 BE5N5
1,1,2,2-Tetrachloroethane, 1,2-Dibromo-3-chloropropane

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

The following samples have analyte results reported less than CRQLs. The associated method blank results are less than CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Toluene BE5K3, BE5K3DL, BE5K4, BE5K4DL, BE5L0DL, BE5M3, BE5M3DL, BE5M4DL, BE5M5, BE5M5DL, BE5M6, BE5M6DL, BE5M7DL, BE5M8DL, BE5N0, BE5N0DL, BE5N2, BE5N2DL, BE5N3, BE5N3DL, BE5N4, BE5N4DL, BE5N5

1,2,4-Trichlorobenzene BE5K4, BE5M5, BE5M6, BE5M7, BE5N2, BE5N3DL

1,2,3-Trichlorobenzene BE5K3, BE5L0, BE5M5, BE5M8DL, BE5N3

B) Field or rinse blank contamination: BE5L7 (SDG BE5L7), BE5R1 (SDG BE5E8)

The following samples have analyte results reported less than CRQLs. The associated field blank results are less than CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Chlorobenzene BE5K4, BE5L0, BE5L9, BE5M0, BE5M1, BE5M2, BE5M3, BE5M4, BE5M5, BE5M8, BE5N2, BE5N3, BE5N4, BE5N5, BE5N6

1,4-Dichlorobenzene BE5L0, BE5L9, BE5M0, BE5M2, BE5M4, BE5M8DL, BE5N3, BE5N4, BE5N5

C) Trip blank contamination: BE5L8 (SDG BE5E8)

The following samples have analyte results reported less than 2x the CRQLs. The associated trip blank results are less than 2x the CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Acetone BE5M6, BE5M7, BE5N4, BE5N5

The following samples have analyte results reported less than the CRQLs. The associated trip blank results are less than the CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

Toluene BE5L9, BE5L9DL, BE5M0DL, BE5M1DL, BE5M2, BE5M9, BE5N6, BE5N6DL

Chloroform BE5L0, BE5L9, BE5M1, BE5M2, BE5M4, BE5M5, BE5N3, BE5N4

D) Storage Blank associated with VOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial, ICV and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev. 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R".

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D

compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev. 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev. 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following analytes in the samples shown were qualified for %RSD and %D:

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

1,1-Dichloroethene, Carbon disulfide, trans-1,2-Dichloroethene, 1,1-Dichloroethane, cis-1,2-Dichloroethene, 1,1,1-Trichloroethane, Cyclohexane, Carbon tetrachloride, Benzene, Trichloroethene, Methylcyclohexane, 1,2-Dichloropropane, Toluene, Tetrachloroethene, Chlorobenzene, Ethylbenzene, m,p-Xylene, Isopropylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene
BE5M4DL

1,1,2,2-Tetrachloroethane BE5K3, BE5K3DL, BE5K4, BE5K4DL, BE5M3, BE5M3DL, BE5M4 BE5M5, BE5M5DL, BE5M9, BE5N0, BE5N0DL, BE5N2, BE5N2DL, BE5N3, BE5N3DL, BE5N4DL, BE5N5, BE5N5DL, BE5N6, BE5N6DL

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev. 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev. 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev. 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES: BE5M6/BE5M7

No problems were found for this criterion.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were only used for one or more analytes; BE5K3LD, BE5K4DL, BE5L0DL, BE5L9DL, BE5M0DL, BE5M1DL, BE5M2DL, BE5M3DL, BE5M4DL, BE5M5DL BE5M6DL, BE5M7DL, BE5M8DL, BE5M9DL, BE5N0DL, BE5N2DL, BE5N3DL, BE5N4DL, BE5N5DL, BE5N6DL

ANALYSIS: PESTICIDES (MA # 2826.2)

The current SOP HW-36A (Rev. 1) September 2016, USEPA Region II for the evaluation of Pesticides data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects

(sample quantitation limits), if the holding times are grossly exceeded. If the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

The following samples were received with shipping container temperatures greater than 6°C. Detects are qualified J. Non-detects are qualified UJ.

BE5L0, BE5M5, BE5M7

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 7 of the SOP HW-36A (Rev. 1), qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The relative percent difference (RPD) between the following matrix spike and matrix spike duplicate recoveries is outside criteria. Detects are qualified as estimated J. Non-detects are not qualified.

gamma-BHC (Lindane) BE5M8, BE5M8DL, BE5M8MS, BE5M8MSD

Aldrin BE5M8, BE5M8DL, BE5M8MS, BE5M8MSD

Dieldrin BE5M8, BE5M8DL, BE5M8MS, BE5M8MSD

The following matrix spike/matrix spike duplicate samples have percent recoveries less than the expanded minimum criteria. Detects are qualified as estimated J. Non-detects are qualified as unusable R.

Dieldrin BE5M8, BE5M8DL, BE5M8MS

The following matrix spike/matrix spike duplicate samples have percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Heptachlor BE5M8, BE5M8DL, BE5M8MS, BE5M8MSD

The following matrix spike/matrix spike duplicate samples have percent recoveries greater than or equal to the expanded minimum criteria but less than the primary minimum criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

Aldrin BE5M8, BE5M8DL, BE5M8MS, BE5M8MSD

Dieldrin BE5M8, BE5M8DL, BE5M8MSD

4. LABORATORY CONTROL RECOVERY (LCS):

LCS data is generated to determine the long-term precision and accuracy of the analytical method. The LCS may be used in conjunction with other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects, "U". Qualifications were applied to the samples and analytes as shown below.

A) Method/Instrument blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BE5L7, BE5R1

The following samples have analyte results reported less than CRQLs. The associated field blank results are less than CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

alpha-BHC, 4,4'-DDE, cis-chlordane BE5K3, BE5K3DL

beta-BHC BE5L0, BE5M1, BE5M2, BE5M3RE, BE5M4, BE5M5, BE5M6, BE5N2, BE5N3, BE5N4, BE5N5, BE5N6

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

For the PESTICIDE fraction, if %RSD exceeds 20% for all analytes except alpha-BHC and delta-BHC 25%, for the two surrogates and Toxaphene 30%, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) **The Percent Difference (%D) for each of the SCP and surrogate in the PEM used for CCV must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference (%D) between the calibration Factor (CF) for each of the SCP and surrogate in the Calibration Verification Standard (CS3) and the mean calibration factor from the initial calibration must be greater than or equal to -25% and less than or equal to 25.0%. The Percent Difference not within limits, detected associated compounds are qualified "J" and non-detected associated compounds are qualified "UJ". Qualifications were applied to the samples and analytes as shown below.**

The following sample is associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified as estimated J. Non-detects are qualified as estimated UJ.

delta-BHC, Heptachlor, cis-Chlordane BE5M3DL2

7. FIELD DUPLICATES: BE5M6/BE5M7

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:
The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
>50% (PEST value <CRQL, value raised to CRQL)	U
>200%	R

The following samples were qualified for % difference on the two columns.

BE5K3, BE5K3DL, BE5K4, BE5L0, BE5L9, BE5M0, BE5M1, BE5M2, BE5M3, BE5M3DL1, BE5M3DL2, BE5M3RE, BE5M4, BE5M5, BE5M6, BE5M7, BE5M8, BE5M8DL, BE5M9, BE5M9DL, BE5N0, BE5N2, BE5N3, BE5N4, BE5N5, BE5N6, BEM8MS, BE5M8MSD

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None

12. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were only used for one or more analytes; BE5K3DL, BE5M3DL2, BE5M8DL, BE5M9DL.

The following dilution analysis and reanalysis sample results were not used; BE5M3DL1, BE5M3RE

ANALYSIS: AROCLOR (MA # 2720.2)

The current SOP HW-37A (Rev. 0) June 2015, USEPA Region II for the evaluation of PCB data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2, has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". Use professional judgment to qualify the non-detects (sample quantitation limits), if the holding times are grossly exceeded. Qualifications were applied to the samples and analytes as shown below.

The following samples were received with shipping container temperatures greater than 6°C. Detects are qualified J. Non-detects are qualified UJ.

BE5L0, BE5M5, BE5M7

2. SURROGATES:

All samples are spiked with surrogate compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured surrogate recovery were outside Table 5 of the SOP HW-37A (Rev. 0), qualifications were applied to the samples and analytes as shown below.

The following sample has surrogate percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J+. Non-detects are not qualified.

Decachlorobiphenyl BE5M0
Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, Aroclor-1268

3. MATRIX SPIKE/MATRIX SPIKE DUPLICATE (MS/MSD):

MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with

other QC criteria for additional qualification of data. Qualifications were applied to the samples and analytes as shown below.

The following matrix spike/matrix spike duplicate samples have percent recoveries greater than the primary maximum criteria. Detects are qualified as estimated J. Non-detects are not qualified.

Aroclor-1016 BE5M8, BE5M8MS, BE5M8MSD

Aroclor-1260 BE5M8, BE5M8MS, BE5M8MSD

4. Laboratory Control Samples (LCS):

LCS data provides information on the accuracy of the analytical method and laboratory performance. If LCS recoveries fell outside of the acceptable limits, qualifications were applied to the associated samples and compounds as shown below.

No problems were found for this criterion.

5. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, field, or rinse blanks are prepared to identify any contamination, which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the concentration of the analyte in the blank, the analytes are qualified as non-detects U. Qualifications were applied to the samples and analytes as shown below

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BE5L7, BE5R1

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Percent Relative Standard Deviation (%RSD):
For the PCB fraction, if %RSD exceeds 20% for all analytes and the two surrogates, qualify all associated positive results "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Difference (%D):

For opening CCV, or closing CCV that is used as an opening CCV for the next 12-hour period, if %D exceeds 25% for analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ".
For closing CCV, if %D exceeds 50% for all analytes and the two surrogates, qualify all associated positive results "J" and non-detects "UJ". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. FIELD DUPLICATES: BE5M6/BE5M7

No problems were found for this criterion.

8. COMPOUND IDENTIFICATION:

The retention times of reported compounds must fall within the calculated retention time windows for the two chromatographic columns and a GC/MS confirmation is required if the concentration exceeds 10ng/ml in the final sample extract. Qualifications were applied to the samples and analytes as shown below.

Percent Differences	**Qualifier**
0% - 25%	No qualification
26% - 70%	J
71% - 200% (interference detected, either column)	JN
>50% (ARO value <CRQL, value raised to CRQL)	U
>200%	R

The following samples were qualified for % difference on the two columns.

BE5M8MS, BE5M8MSD

9. CONTRACT PROBLEMS NON-COMPLIANCE:

None

10. FIELD DOCUMENTATION:

No problems were identified.

11. OTHER PROBLEMS:

None

12. DILUTIONS, RE-EXTRACTIONS & RE-ANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were only used for one or more analytes; BE5M6DL, BE5M7DL, BE5M8DL, BE5M9DL

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5S6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5S6	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-6-S19	pH: 2	Sample Date: 06/21/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Vinyl chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromomethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichlorofluoromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethene	Target	1.6	J	ug/L	1.6	J D	5.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Acetone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Carbon disulfide	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methyl acetate	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Methylene chloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.81	J	ug/L	0.81	J D	5.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	250		ug/L	250	D	50.0	YES	S3VEM
2-Butanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Bromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chloroform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,1-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Cyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Carbon tetrachloride	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Benzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Trichloroethene	Target	420		ug/L	420	D	50.0	YES	S3VEM
Methylcyclohexane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromodichloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
4-Methyl-2-pentanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Toluene	Target	2.5	U	ug/L	0.27	J D	5.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2-Trichloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Tetrachloroethene	Target	0.56	J	ug/L	0.56	J D	5.0	YES	S3VEM
2-Hexanone	Target	25	U	ug/L	25	U	5.0	YES	S3VEM
Dibromochloromethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromoethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Chlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Ethylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
o-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
m, p-Xylene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Styrene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Bromoform	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Isopropylbenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,3-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,4-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	2.5	U	ug/L	2.5	U	5.0	YES	S3VEM
Unknown-02	TIC	2.9	J D	ug/L	2.9	J D	5.0	YES	NV
Unknown-01	TIC	18	J D	ug/L	18	J D	5.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5S6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5S7	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: FB062119	pH: 2	Sample Date: 06/21/2019	Sample Time: 10:15:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.42	J	ug/L	0.42	J	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	16		ug/L	16		1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
m, p-Xylene	Target	0.30	J	ug/L	0.30	J	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	0.66	J	ug/L	0.66	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5S6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE5S8	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB062119	pH: 2	Sample Date: 06/21/2019	Sample Time: 10:30:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	25		ug/L	25		1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.19	J	ug/L	0.19	J	1.0	YES	S3VEM
m, p-Xylene	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Hexanal	TIC	0.83	NJ	ug/L	0.83	NJ	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5S6** | **Lab Name: Shealy Environmental Services, Inc.**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Unknown-01	TIC	0.69	J	ug/L	0.69	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5S6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKWP	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE5S6** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	2.7	J	ug/L	2.7	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE5S6	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronic Inc
Number of Samples: 3 (Water)
Analysis: TVOA

SDG No.: BE5S6
Laboratory: Shealy Environmental Services
Sampling dates: 06/21/2019
Validation SOP: HW-34A (Rev 1)

QAPP:
Contractor: EA Engineering, Science and Technology, Inc., PBC
Reference: CN: W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
None.

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	One or more detected and non-detected analytes are equal to or greater than the project action levels for one or more samples in the analysis.

Reviewer Name(s): Archana Mirle

Approver's Signature:

Date: 07/31/2019

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	Explanation		
	INORGANICS	ORGANICS	CHLORINATED DIOXIN/FURAN
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Revision 1) September 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degrees or below 2-degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev 1) to all the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse blanks measure cross-contamination of samples during field operations. Depending on the

amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

No problems were found for this criterion.

B) Field or rinse blank contamination: BE5S7

No additional qualification due to field blank contamination.

C) Trip blank contamination: BE5S8

The following trace volatile sample has contaminant analyte concentrations reported less than the CRQL. The associated trip blank has contaminant analyte concentration less than the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Toluene BE5S6

D) Storage Blank associated with TVOA samples only:

No additional qualification required due to storage blank contamination.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev 1) of the associated continuing calibration internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

No sample duplicate was identified in this SDG.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None.

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE570	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: TB060419	pH: 2	Sample Date: 06/04/2019	Sample Time: 14:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	1.9	J	ug/L	1.9	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	6.4		ug/L	6.4		1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	1.3		ug/L	1.3		1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.062	J	ug/L	0.062	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.32	J	ug/L	0.32	J	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE571	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT5-1-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.25	J	ug/L	0.25	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.068	J	ug/L	0.068	J	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE572	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT5-2-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	2.3	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.040	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.072	J	ug/L	0.072	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE573	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT5-3-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	2.8	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.36	J	ug/L	0.36	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.61		ug/L	0.61		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE574	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT5-4-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	2.2	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.098	J	ug/L	0.098	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.48	J	ug/L	0.48	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50		ug/L	0.50		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE575	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT5-5-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:58:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.12	J	ug/L	0.12	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.67		ug/L	0.67		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.41	J	ug/L	0.41	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	3.0		ug/L	3.0		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.18	J	ug/L	0.18	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE577	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW18-1-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:27:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.34	J	ug/L	0.34	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.9		ug/L	1.9		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.11	J	ug/L	0.11	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	7.6	J	ug/L	7.6	D	5.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.55		ug/L	0.55		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE578	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW18-2-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 12:27:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.53		ug/L	0.53		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.077	J	ug/L	0.077	J	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	3.5		ug/L	3.5		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.048	J	ug/L	0.048	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	59	J	ug/L	59	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.87		ug/L	0.87		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE579	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT6-1-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.6		ug/L	1.6		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.043	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.089	J	ug/L	0.089	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE580	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT6-2-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.64		ug/L	0.64		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE581	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT6-3-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.15	J	ug/L	0.15	J	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.057	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.16	J	ug/L	0.16	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.039	J	ug/L	0.039	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE582	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-ERT6-4-S19	pH: 2	Sample Date: 06/04/2019	Sample Time: 10:00:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.91		ug/L	0.91		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.046	J	ug/L	0.046	J	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.61		ug/L	0.61		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE584	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-1-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	4.9		ug/L	4.9	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	4.0		ug/L	4.0		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.23	J	ug/L	0.23	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.057	J	ug/L	0.057	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	5.4		ug/L	5.4	D	5.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.058	J	ug/L	0.058	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	1.7		ug/L	1.7		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE585	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-2-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
1,1-Dichloroethene	Target	8.6		ug/L	8.6	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.48	J	ug/L	0.48	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	3.2		ug/L	3.2		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.046	J	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.43	J	ug/L	0.43	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	42		ug/L	42	D	10.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	5.1		ug/L	5.1		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE586	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-3-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	3.8		ug/L	3.8	B	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.44	J	ug/L	0.44	J	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	4.8		ug/L	4.8		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.28	J	ug/L	0.28	J	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	40		ug/L	40	D	5.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	2.0		ug/L	2.0		1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE587	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-4-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 10:07:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	1.4		ug/L	1.4		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	2.4		ug/L	2.4		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.036	J	ug/L	0.036	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE588	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-5-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 12:13:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.096	J	ug/L	0.096	JB	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.94		ug/L	0.94		1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	8.6	J	ug/L	8.6		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.041	J	ug/L	0.041	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.10	J	ug/L	0.10	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE589	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-6-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 12:13:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.086	J	ug/L	0.086	J	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.26	J	ug/L	0.26	J	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.13	J	ug/L	0.13	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE590	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW19-7-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 12:13:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.22	J	ug/L	0.22	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.076	J	ug/L	0.076	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: BE591	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location: LTM03-MW20-1-S19	pH: 2	Sample Date: 06/05/2019	Sample Time: 09:52:00
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.87		ug/L	0.87		1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	3.5	J	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	2.2		ug/L	2.2		1.0	YES	S3VEM
Methyl tert-butyl ether	Target	2.1		ug/L	2.1		1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	150		ug/L	150	D	20.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	5.3		ug/L	5.3		1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.045	J	ug/L	0.045	J	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.095	J	ug/L	0.095	J	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Unknown-01	TIC	1.1	J	ug/L	1.1	J	1.0	YES	NV

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKLK	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.21	J	ug/L	0.21	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKME	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	UJ	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKMS	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VBLKNZ	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH:	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.049	J	ug/L	0.049	J	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.31	J	ug/L	0.31	J	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW14035/BE570** | **Lab Name: Shealy Environmental Services, Inc.**

Sample Number: VHBLK01	Method: Trace Volatiles	Matrix: Water	MA Number:
Sample Location:	pH: 2	Sample Date:	Sample Time:
% Moisture:		% Solids: 0.0	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Dichlorodifluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Vinyl chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromomethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichlorofluoromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloro-1,2,2-Trifluoroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Acetone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Carbon disulfide	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl acetate	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylene chloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methyl tert-butyl ether	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,2-Dichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Butanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Bromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chloroform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,1-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Cyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Carbon tetrachloride	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Benzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Trichloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Methylcyclohexane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromodichloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
cis-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
4-Methyl-2-pentanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Toluene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
trans-1,3-Dichloropropene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2-Trichloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Tetrachloroethene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
2-Hexanone	Target	5.0	U	ug/L	5.0	U	1.0	YES	S3VEM
Dibromochloromethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromoethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Chlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Ethylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
o-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
m, p-Xylene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Styrene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Bromoform	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
Isopropylbenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,1,2,2-Tetrachloroethane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,3-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,4-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2-Dibromo-3-chloropropane	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,4-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM
1,2,3-Trichlorobenzene	Target	0.50	U	ug/L	0.50	U	1.0	YES	S3VEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW14035/BE570	Lab Name: Shealy Environmental Services, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No.: 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 20 (Water)
Analysis: TVOA

SDG No.: BE570
Laboratory: Shealy Environmental Service
Sampling dates: 6/04/2019-6/05/2019
Validation SOP: HW-34A (Rev 1)

QAPP:
Contractor: EA Engineering, Science, and Technology, Inc., PBC
Reference: Contract No.: W912DQ-16-D-3001

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated. "J+" and "J-" represent likely direction of the bias.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None

Major Findings:
TVOA: Samples BE577DL BE578DL, BE588, BE589 and BE590 have analytes that have been qualified "J", "J+" or "J- ".

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between MDL and CRQL.

COMMENTS:	One or more detected and non-detected analytes have exceeded the project action levels for one or more samples in the TVOA analysis.

Reviewer Name(s): Reginald St-Juste

Approver's Signature:

Date: 07/26/2019

Name: **Narendra Kumar**

Affiliation: USEPA/R2/HWSB/HWSS

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: TVOA

The current SOP HW-34A (Revision 1) September 2016, USEPA Region II for the evaluation of Trace Volatile organic data generated through Statement of Work SOM02.2, and any future editorial revisions of SOM02.2 has been applied. Data have been reviewed according to TDF specifications, the National Functional Guidelines Report and the CCS Semi-Automated Screening Results Report. Tentatively Identified Compounds (TICs) for TVOA organic fraction is not validated.

1. HOLDING TIME AND PRESERVATION:

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the specified holding time is exceeded, the data may not be valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimated, "J". The non-detects (sample quantitation limits) will be flagged as unusable, "R". Use professional judgment to qualify detects and non-detects for aqueous sample whose temperature is above 6 degrees or below 2-degree C Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

2. DEUTERATED MONITORING COMPOUNDS (DMC's)

All samples are spiked with DMC compounds prior to sample preparation to evaluate overall laboratory performance and efficiency of the analytical technique. If the measured DMC recovery limits were outside Table 6 of the SOP HW 34A (Rev 1), qualifications were applied as per Table 7 of the SOP HW 34A (Rev 1) to all the samples and analytes as shown below.

No problems were found for this criterion.

3. MATRIX SPIKE/ MATRIX SPIKE RECOVERY:

MS/MSD data is generated to determine the long-term precision and accuracy of the analytical method in various matrices. The MS/MSD data may be used in conjunction with other QC criteria for additional qualification of data.

Not applicable.

4. BLANK CONTAMINATION:

Quality assurance (QA) blanks, i.e., method, trip, field, or rinse blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field and rinse

blanks measure cross-contamination of samples during field operations. Depending on the amount of contamination present in the QA blanks, the analytes are qualified as per Table 5 of SOP HW-34A (Rev 1).

A) Method blank contamination:

No additional qualification due to method blank contamination.

B) Field or rinse blank contamination: BE567 and BE5A1

The following volatile samples have contaminant analytes concentrations reported less than CRQL. The associated field blank has contaminant analytes concentration greater than CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Chloroform BE572, BE579, BE581 and BE585

The following volatile samples have common contaminant analyte concentrations reported less than 2x the CRQL. The associated field blank has contaminant analyte concentration less than 2x the CRQL. Detected compounds are qualified U. Non-detected compounds are not qualified. Sample concentrations have been reported at the CRQL.

Acetone BE572, BE573, BE574 and BE591

C) Trip blank contamination: BE570

No additional qualification due to trip blank contamination.

D) Storage Blank associated with TVOA samples only:

No problems were found for this criterion.

E) Tentatively Identified Compounds:

Tentatively Identified Compounds (TICs) for TVOA organic fraction are not validated.

5. MASS SPECTROMETER TUNING:

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The tuning standard for volatile organics is (BFB) Bromofluorobenzene. If the mass calibration is in error, all associated data will be classified as unusable "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

6. CALIBRATION:

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:

The response factor measures the instrument's response to specific chemical compounds. All analytes for initial and continuing calibration should meet the minimum RRF criteria as listed in Table 2 of SOP HW 34A (Rev 1). If RRF is less than minimum RRF specified in Table 2 for all target analytes, use professional judgment and all detects in the sample will be qualified as "J+" or "R". All non-detects for that compound will be rejected "R". Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):

Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration.

Percent RSD must be less than maximum %RSD in Table 2 of SOP HW 34A (Rev 1) for all target analytes. For the opening or closing CCV %D must be within the inclusive opening or closing maximum %D limits as listed in Table 2 of SOP HW 34A (Rev 1) for all Target compounds. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and Non-detects are flagged "UJ" for %D values outside criteria only. If %RSD exceeds QC criteria, detects may be qualified as "J" and use professional judgment to qualify non-detects. Qualifications were applied to the samples and analytes as shown below.

The following samples are associated with an opening or closing CCV with % Difference exceeding criteria. Detects are qualified J. Non-detects are qualified UJ.

Trichloroethene BE577DL, BE578DL, BE584, BE585, BE586, BE588, BE589, BE590 and BE591DL

7. INTERNAL STANDARDS PERFORMANCE GC/MS:

Internal standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must be in the range as specified in Table 9 of SOP HW 34A (Rev 1) of the associated continuing calibration

internal standard area. The retention time of the internal standards must be within the range as specified in Table 9 of SOP HW 34A (Rev 1). If the area count is greater than, all positive results quantitated using that IS are qualified as estimated "J-", and non-detects are not qualified. If the area count is less than the associated standard, all positive results for compounds quantitated with that IS are qualified as estimated "J+" and all non-detects are qualified "R".

If an internal standard retention time were not met as specified in Table 9 of SOP HW 34A (Rev 1), the reviewer will use professional judgment to determine either partial or total rejection of the data for that sample fraction. Qualifications were applied to the samples and analytes as shown below. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

8. FIELD DUPLICATES:

The pair sample duplicate was not identified in this SDG.

9. COMPOUND IDENTIFICATION:

Target compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within a window of 0.06 RRT units of the standard compound and have ion spectra which has a ratio of the primary and secondary m/z intensities within 20% of that in the standard compound. For the tentatively identified compounds (TIC) the ion spectra must match accurately. In the cases where there is not an adequate ion spectrum match, the laboratory may have provided false positive identifications. Qualifications were applied to the samples and analytes as shown below.

No problems were found for this criterion.

10. CONTRACT PROBLEMS NON-COMPLIANCE:

None.

11. FIELD DOCUMENTATION:

No problems were identified.

12. OTHER PROBLEMS:

None

13. DILUTIONS, RE-EXTRACTIONS & REANALYSIS:

Samples may be re-analyzed for dilution, re-extraction and for other QC reasons. In such cases, the best result values are used. See summary report and EDD for applicable samples and analytes.

The following dilution samples were used for several analytes
BE577DL, BE578DL, BE584DL, BE585DL, BE586DL and BE591DL

G3

Cape Fear Analytical

Laboratory Analytical Reports

1. PBE5F1 PCB Congeners Analytical Report (ERT4-4, FB06072019, MW01A, FB061119, MW16-7, MW12, MW11, MW14S-2, MW14S-3, FD061219-1, MW14D-1, MW14D-2, MW14D-3, FB061219)

2. PBE5F1 PCB Congeners Data Validation Report

3. PB5H6 Dioxins/Furans Analytical Report (ERT4-4, FB06072019, MW01A, FB061119, MW16-7, MW12, MW11, MW14S-2, MW14S-3, FD061219-1, MW14D-1, MW14D-2, MW14D-3, FB061219)

4. PB5H6 Dioxins/Furans Data Validation Report

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: CBLK6B	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	8.0	J	pg/L	8.0	J	1	YES	S2AVEM
PCB-2	Target	2.4	J	pg/L	2.4	J	1	YES	S2AVEM
PCB-3	Target	2.9	J	pg/L	2.9	J	1	YES	S2AVEM
PCB-4	Target	26		pg/L	26		1	YES	S2AVEM
PCB-5	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-6	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-7	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-8	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-9	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-10	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-11	Target	70		pg/L	70		1	YES	S2AVEM
PCB-12/13	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-14	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-15	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-16	Target	6.2	J	pg/L	6.2	J	1	YES	S2AVEM
PCB-17	Target	5.3	J	pg/L	5.3	J	1	YES	S2AVEM
PCB-18/30	Target	11	J	pg/L	11	J	1	YES	S2AVEM
PCB-19	Target	2.8	J	pg/L	2.8	J	1	YES	S2AVEM
PCB-20/28	Target	8.4	J	pg/L	8.4	J	1	YES	S2AVEM
PCB-21/33	Target	6.4	J	pg/L	6.4	J	1	YES	S2AVEM
PCB-22	Target	3.6	J	pg/L	3.6	J	1	YES	S2AVEM
PCB-23	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-24	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-25	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-26/29	Target	2.7	J	pg/L	2.7	J	1	YES	S2AVEM
PCB-27	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-31	Target	8.4	J	pg/L	8.4	J	1	YES	S2AVEM
PCB-32	Target	3.3	J	pg/L	3.3	J	1	YES	S2AVEM
PCB-34	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-35	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-36	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-37	Target	3.8	J	pg/L	3.8	J	1	YES	S2AVEM
PCB-38	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-39	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-40/71	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-41	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-42	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-43	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-44/47/65	Target	11	J	pg/L	11	J	1	YES	S2AVEM
PCB-45/51	Target	3.0	J	pg/L	3.0	J	1	YES	S2AVEM
PCB-46	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-48	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-49/69	Target	5.6	J	pg/L	5.6	J	1	YES	S2AVEM
PCB-50/53	Target	3.4	J	pg/L	3.4	J	1	YES	S2AVEM
PCB-52	Target	22		pg/L	22		1	YES	S2AVEM
PCB-54	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-55	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-56	Target	4.0	J	pg/L	4.0	J	1	YES	S2AVEM
PCB-57	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-58	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-59/62/75	Target	60	U	pg/L	60	U	1	YES	S2AVEM
PCB-60	Target	2.4	J	pg/L	2.4	J	1	YES	S2AVEM
PCB-61/70/74/76	Target	17	J	pg/L	17	J	1	YES	S2AVEM
PCB-63	Target	20	U	pg/L	20	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-64	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-66	Target	4.7	J	pg/L	4.7	J	1	YES	S2AVEM
PCB-67	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-68	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-72	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-73	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-77	Target	3.1	J	pg/L	3.1	*	1	YES	S2AVEM
PCB-78	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-79	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-80	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-81	Target	2.5	U	pg/L	2.5	U	1	YES	S2AVEM
PCB-82	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-83	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-84	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-85/116/117	Target	13	J	pg/L	13	J	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	13	J	pg/L	13	J	1	YES	S2AVEM
PCB-88/91	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-89	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-90/101/113	Target	14	J	pg/L	14	J	1	YES	S2AVEM
PCB-92	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-93/100	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-94	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-95	Target	12	J	pg/L	12	J	1	YES	S2AVEM
PCB-96	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-98/102	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-99	Target	5.3	J	pg/L	5.3	J	1	YES	S2AVEM
PCB-103	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-104	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-105	Target	4.1	U	pg/L	4.1	UM	1	YES	S2AVEM
PCB-106	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-107	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-108/124	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-110/115	Target	26	J	pg/L	26	J	1	YES	S2AVEM
PCB-111	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-112	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-114	Target	3.2	U	pg/L	3.2	U	1	YES	S2AVEM
PCB-118	Target	8.6	J	pg/L	8.6	J	1	YES	S2AVEM
PCB-120	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-121	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-122	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-123	Target	3.1	U	pg/L	3.1	U	1	YES	S2AVEM
PCB-126	Target	3.6	U	pg/L	3.6	U	1	YES	S2AVEM
PCB-127	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-128/166	Target	3.1	J	pg/L	3.1	J	1	YES	S2AVEM
PCB-129/138/163	Target	9.1	J	pg/L	9.1	J	1	YES	S2AVEM
PCB-130	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-131	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-132	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-133	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-134	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-135/151	Target	3.5	J	pg/L	3.5	J	1	YES	S2AVEM
PCB-136	Target	1.9	J	pg/L	1.9	J	1	YES	S2AVEM
PCB-137	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-139/140	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-141	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-142	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-143	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-144	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-145	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-146	Target	20	U	pg/L	20	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-147/149	Target	4.9	J	pg/L	4.9	J	1	YES	S2AVEM
PCB-148	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-150	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-152	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-153/168	Target	5.8	J	pg/L	5.8	J	1	YES	S2AVEM
PCB-154	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-155	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-156/157	Target	5.0	J	pg/L	5.0	J	1	YES	S2AVEM
PCB-158	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-159	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-160	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-161	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-162	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-164	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-165	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-167	Target	1.9	U	pg/L	1.9	UM	1	YES	S2AVEM
PCB-169	Target	3.2	U	pg/L	3.2	UM	1	YES	S2AVEM
PCB-170	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-171/173	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-172	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-174	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-175	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-176	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-177	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-178	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-179	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-180/193	Target	4.6	J	pg/L	4.6	J	1	YES	S2AVEM
PCB-181	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-182	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-183/185	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-184	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-186	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-187	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-188	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-189	Target	2.3	U	pg/L	2.3	U	1	YES	S2AVEM
PCB-190	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-191	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-192	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-194	Target	3.3	J	pg/L	3.3	J	1	YES	S2AVEM
PCB-195	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-196	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-197/200	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-198/199	Target	3.3	J	pg/L	3.3	J	1	YES	S2AVEM
PCB-201	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-202	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-203	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-204	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-205	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-206	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-207	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-208	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-209	Target	2.0	J	pg/L	2.0	J	1	YES	S2AVEM
Total MoCB	Derived	13	J	pg/L	13	J	1	YES	S2AVEM
Total DiCB	Derived	97	J	pg/L	97	J	1	YES	S2AVEM
Total TrCB	Derived	61	J	pg/L	61	J	1	YES	S2AVEM
Total TeCB	Derived	73	J	pg/L	73	J	1	YES	S2AVEM
Total PeCB	Derived	92	J	pg/L	92	J	1	YES	S2AVEM
Total HxCB	Derived	33	J	pg/L	33	J	1	YES	S2AVEM
Total HpCB	Derived	4.6	J	pg/L	4.6	J	1	YES	S2AVEM
Total OcCB	Derived	6.6	J	pg/L	6.6	J	1	YES	S2AVEM
Total NoCB	Derived		U			U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total PCB	Derived	380	J	pg/L	380	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.00041		pg/L	0.00041		1	YES	S2AVEM
TEQ (Bird)	Derived	0.00059		pg/L	0.00059		1	YES	S2AVEM
TEQ (Fish)	Derived	0.000068		pg/L	0.000068		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: CBLK6C	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-2	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-3	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-4	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-5	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-6	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-7	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-8	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-9	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-10	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-11	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-12/13	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-14	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-15	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-16	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-17	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-18/30	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-19	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-20/28	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-21/33	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-22	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-23	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-24	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-25	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-26/29	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-27	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-31	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-32	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-34	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-35	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-36	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-37	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-38	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-39	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-40/71	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-41	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-42	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-43	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-44/47/65	Target	60000	U	pg/L	60000	U	1	YES	S2AVEM
PCB-45/51	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-46	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-48	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-49/69	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-50/53	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-52	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-54	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-55	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-56	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-57	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-58	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-59/62/75	Target	60000	U	pg/L	60000	U	1	YES	S2AVEM
PCB-60	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-61/70/74/76	Target	4700	J	pg/L	4700	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-64	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-66	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-67	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-68	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-72	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-73	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-77	Target	3200	J	pg/L	3200	J	1	YES	S2AVEM
PCB-78	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-79	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-80	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-81	Target	2300	U	pg/L	2300	U	1	YES	S2AVEM
PCB-82	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-83	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-84	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-85/116/117	Target	60000	U	pg/L	60000	U	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	120000	U	pg/L	120000	U	1	YES	S2AVEM
PCB-88/91	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-89	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-90/101/113	Target	60000	U	pg/L	60000	U	1	YES	S2AVEM
PCB-92	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-93/100	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-94	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-95	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-96	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-98/102	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-99	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-103	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-104	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-105	Target	5300	U	pg/L	5300	U	1	YES	S2AVEM
PCB-106	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-107	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-108/124	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-110/115	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-111	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-112	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-114	Target	5000	U	pg/L	5000	U	1	YES	S2AVEM
PCB-118	Target	5700	U	pg/L	5700	UM	1	YES	S2AVEM
PCB-120	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-121	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-122	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-123	Target	5100	U	pg/L	5100	U	1	YES	S2AVEM
PCB-126	Target	5800	U	pg/L	5800	U	1	YES	S2AVEM
PCB-127	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-128/166	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-129/138/163	Target	60000	U	pg/L	60000	U	1	YES	S2AVEM
PCB-130	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-131	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-132	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-133	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-134	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-135/151	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-136	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-137	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-139/140	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-141	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-142	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-143	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-144	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-145	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-147/149	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-148	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-150	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-152	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-153/168	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-154	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-155	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-156/157	Target	3600	J	pg/L	3600	J	1	YES	S2AVEM
PCB-158	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-159	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-160	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-161	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-162	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-164	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-165	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-167	Target	2200	U	pg/L	2200	U	1	YES	S2AVEM
PCB-169	Target	3200	U	pg/L	3200	UM	1	YES	S2AVEM
PCB-170	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-171/173	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-172	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-174	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-175	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-176	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-177	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-178	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-179	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-180/193	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-181	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-182	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-183/185	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-184	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-186	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-187	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-188	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-189	Target	2800	U	pg/L	2800	U	1	YES	S2AVEM
PCB-190	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-191	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-192	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-194	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-195	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-196	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-197/200	Target	2100	J	pg/L	2100	J	1	YES	S2AVEM
PCB-198/199	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-201	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-202	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-203	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-204	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-205	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-206	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-207	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-208	Target	1900	J	pg/L	1900	J	1	YES	S2AVEM
PCB-209	Target	1600	J	pg/L	1600	J	1	YES	S2AVEM
Total MoCB	Derived		U			U	1	YES	S2AVEM
Total DiCB	Derived		U			U	1	YES	S2AVEM
Total TrCB	Derived		U			U	1	YES	S2AVEM
Total TeCB	Derived	7900	J	pg/L	7900	J	1	YES	S2AVEM
Total PeCB	Derived		U			U	1	YES	S2AVEM
Total HxCB	Derived	3600	J	pg/L	3600	J	1	YES	S2AVEM
Total HpCB	Derived		U			U	1	YES	S2AVEM
Total OcCB	Derived	2100	J	pg/L	2100	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived	1900	J	pg/L	1900	J	1	YES	S2AVEM
Total PCB	Derived	17000	J	pg/L	17000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.43		pg/L	0.43		1	YES	S2AVEM
TEQ (Bird)	Derived	160		pg/L	160		1	YES	S2AVEM
TEQ (Fish)	Derived	0.34		pg/L	0.34		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: CLCS5R	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Spike	590		pg/L	590	B	1	YES	S2AVEM
PCB-2	Target	630		pg/L	630	B	1	YES	S2AVEM
PCB-3	Spike	600		pg/L	600	B	1	YES	S2AVEM
PCB-4	Spike	600		pg/L	600	B	1	YES	S2AVEM
PCB-5	Target	640		pg/L	640		1	YES	S2AVEM
PCB-6	Target	630		pg/L	630		1	YES	S2AVEM
PCB-7	Target	620		pg/L	620		1	YES	S2AVEM
PCB-8	Target	640		pg/L	640		1	YES	S2AVEM
PCB-9	Target	610		pg/L	610		1	YES	S2AVEM
PCB-10	Target	600		pg/L	600		1	YES	S2AVEM
PCB-11	Target	700		pg/L	700	B	1	YES	S2AVEM
PCB-12/13	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-14	Target	630		pg/L	630		1	YES	S2AVEM
PCB-15	Spike	640		pg/L	640		1	YES	S2AVEM
PCB-16	Target	590		pg/L	590	B	1	YES	S2AVEM
PCB-17	Target	630		pg/L	630	B	1	YES	S2AVEM
PCB-18/30	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-19	Spike	600		pg/L	600	B	1	YES	S2AVEM
PCB-20/28	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-21/33	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-22	Target	640		pg/L	640	B	1	YES	S2AVEM
PCB-23	Target	600		pg/L	600		1	YES	S2AVEM
PCB-24	Target	640		pg/L	640		1	YES	S2AVEM
PCB-25	Target	670		pg/L	670		1	YES	S2AVEM
PCB-26/29	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-27	Target	580		pg/L	580		1	YES	S2AVEM
PCB-31	Target	640		pg/L	640	B	1	YES	S2AVEM
PCB-32	Target	620		pg/L	620	B	1	YES	S2AVEM
PCB-34	Target	620		pg/L	620		1	YES	S2AVEM
PCB-35	Target	650		pg/L	650		1	YES	S2AVEM
PCB-36	Target	630		pg/L	630		1	YES	S2AVEM
PCB-37	Spike	630		pg/L	630	B	1	YES	S2AVEM
PCB-38	Target	650		pg/L	650		1	YES	S2AVEM
PCB-39	Target	650		pg/L	650		1	YES	S2AVEM
PCB-40/71	Target	2600		pg/L	2600		1	YES	S2AVEM
PCB-41	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-42	Target	1400		pg/L	1400		1	YES	S2AVEM
PCB-43	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-44/47/65	Target	3700		pg/L	3700	B	1	YES	S2AVEM
PCB-45/51	Target	2400		pg/L	2400	B	1	YES	S2AVEM
PCB-46	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-48	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-49/69	Target	2500		pg/L	2500	B	1	YES	S2AVEM
PCB-50/53	Target	2400		pg/L	2400	B	1	YES	S2AVEM
PCB-52	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-54	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-55	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-56	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-57	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-58	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-59/62/75	Target	3700		pg/L	3700		1	YES	S2AVEM
PCB-60	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-61/70/74/76	Target	5100		pg/L	5100	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-64	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-66	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-67	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-68	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-72	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-73	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-77	Spike	1100		pg/L	1100	B	1	YES	S2AVEM
PCB-78	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-79	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-80	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-81	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-82	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-83	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-84	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-85/116/117	Target	9200		pg/L	9200	B	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	7400		pg/L	7400	B	1	YES	S2AVEM
PCB-88/91	Target	5000		pg/L	5000		1	YES	S2AVEM
PCB-89	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-90/101/113	Target	3700		pg/L	3700	B	1	YES	S2AVEM
PCB-92	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-93/100	Target	2400		pg/L	2400		1	YES	S2AVEM
PCB-94	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-95	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-96	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-98/102	Target	2400		pg/L	2400		1	YES	S2AVEM
PCB-99	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-103	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-104	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-105	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-106	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-107	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-108/124	Target	2600		pg/L	2600		1	YES	S2AVEM
PCB-110/115	Target	4500		pg/L	4500	B	1	YES	S2AVEM
PCB-111	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-112	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-114	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-118	Spike	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-120	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-121	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-122	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-123	Spike	1100		pg/L	1100		1	YES	S2AVEM
PCB-126	Spike	1400		pg/L	1400		1	YES	S2AVEM
PCB-127	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-128/166	Target	2600		pg/L	2600	B	1	YES	S2AVEM
PCB-129/138/163	Target	3800		pg/L	3800	B	1	YES	S2AVEM
PCB-130	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-131	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-132	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-133	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-134	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-135/151	Target	2500		pg/L	2500	B	1	YES	S2AVEM
PCB-136	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-137	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-139/140	Target	2500		pg/L	2500		1	YES	S2AVEM
PCB-141	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-142	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-143	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-144	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-145	Target	1200		pg/L	1200		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-147/149	Target	2500		pg/L	2500	B	1	YES	S2AVEM
PCB-148	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-150	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-152	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-153/168	Target	2600		pg/L	2600	B	1	YES	S2AVEM
PCB-154	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-155	Spike	1400		pg/L	1400		1	YES	S2AVEM
PCB-156/157	Spike	2700		pg/L	2700	B	1	YES	S2AVEM
PCB-158	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-159	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-160	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-161	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-162	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-164	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-165	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-167	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-169	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-170	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-171/173	Target	2500		pg/L	2500		1	YES	S2AVEM
PCB-172	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-174	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-175	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-176	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-177	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-178	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-179	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-180/193	Target	2500		pg/L	2500	B	1	YES	S2AVEM
PCB-181	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-182	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-183/185	Target	2500		pg/L	2500		1	YES	S2AVEM
PCB-184	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-186	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-187	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-188	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-189	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-190	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-191	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-192	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-194	Target	1900		pg/L	1900	B	1	YES	S2AVEM
PCB-195	Target	1900		pg/L	1900		1	YES	S2AVEM
PCB-196	Target	1900		pg/L	1900		1	YES	S2AVEM
PCB-197/200	Target	3600		pg/L	3600		1	YES	S2AVEM
PCB-198/199	Target	3600		pg/L	3600	B	1	YES	S2AVEM
PCB-201	Target	1800		pg/L	1800		1	YES	S2AVEM
PCB-202	Spike	1800		pg/L	1800		1	YES	S2AVEM
PCB-203	Target	1800		pg/L	1800		1	YES	S2AVEM
PCB-204	Target	1800		pg/L	1800		1	YES	S2AVEM
PCB-205	Spike	1700		pg/L	1700		1	YES	S2AVEM
PCB-206	Spike	1700		pg/L	1700		1	YES	S2AVEM
PCB-207	Target	1900		pg/L	1900		1	YES	S2AVEM
PCB-208	Spike	1900		pg/L	1900		1	YES	S2AVEM
PCB-209	Spike	1900		pg/L	1900	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: CLCS5S	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Spike	570000		pg/L	570000		1	YES	S2AVEM
PCB-2	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-3	Spike	580000		pg/L	580000		1	YES	S2AVEM
PCB-4	Spike	570000		pg/L	570000		1	YES	S2AVEM
PCB-5	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-6	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-7	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-8	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-9	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-10	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-11	Target	630000		pg/L	630000		1	YES	S2AVEM
PCB-12/13	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-14	Target	640000		pg/L	640000		1	YES	S2AVEM
PCB-15	Spike	630000		pg/L	630000		1	YES	S2AVEM
PCB-16	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-17	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-18/30	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-19	Spike	590000		pg/L	590000		1	YES	S2AVEM
PCB-20/28	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-21/33	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-22	Target	620000		pg/L	620000		1	YES	S2AVEM
PCB-23	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-24	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-25	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-26/29	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-27	Target	570000		pg/L	570000		1	YES	S2AVEM
PCB-31	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-32	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-34	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-35	Target	640000		pg/L	640000		1	YES	S2AVEM
PCB-36	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-37	Spike	600000		pg/L	600000		1	YES	S2AVEM
PCB-38	Target	630000		pg/L	630000		1	YES	S2AVEM
PCB-39	Target	630000		pg/L	630000		1	YES	S2AVEM
PCB-40/71	Target	2400000		pg/L	2400000		1	YES	S2AVEM
PCB-41	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-42	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-43	Target	990000		pg/L	990000		1	YES	S2AVEM
PCB-44/47/65	Target	3400000		pg/L	3400000		1	YES	S2AVEM
PCB-45/51	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-46	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-48	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-49/69	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-50/53	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-52	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-54	Spike	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-55	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-56	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-57	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-58	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-59/62/75	Target	3400000		pg/L	3400000		1	YES	S2AVEM
PCB-60	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-61/70/74/76	Target	5000000		pg/L	5000000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-64	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-66	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-67	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-68	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-72	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-73	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-77	Spike	1100000		pg/L	1100000	B	1	YES	S2AVEM
PCB-78	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-79	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-80	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-81	Spike	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-82	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-83	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-84	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-85/116/117	Target	3600000		pg/L	3600000		1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	7000000		pg/L	7000000		1	YES	S2AVEM
PCB-88/91	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-89	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-90/101/113	Target	3500000		pg/L	3500000		1	YES	S2AVEM
PCB-92	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-93/100	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-94	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-95	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-96	Target	960000		pg/L	960000		1	YES	S2AVEM
PCB-98/102	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-99	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-103	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-104	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-105	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-106	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-107	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-108/124	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-110/115	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-111	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-112	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-114	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-118	Spike	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-120	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-121	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-122	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-123	Spike	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-126	Spike	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-127	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-128/166	Target	2500000		pg/L	2500000		1	YES	S2AVEM
PCB-129/138/163	Target	3700000		pg/L	3700000		1	YES	S2AVEM
PCB-130	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-131	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-132	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-133	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-134	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-135/151	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-136	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-137	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-139/140	Target	2400000		pg/L	2400000		1	YES	S2AVEM
PCB-141	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-142	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-143	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-144	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-145	Target	1100000		pg/L	1100000		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-147/149	Target	2400000		pg/L	2400000		1	YES	S2AVEM
PCB-148	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-150	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-152	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-153/168	Target	2500000		pg/L	2500000		1	YES	S2AVEM
PCB-154	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-155	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-156/157	Spike	2600000		pg/L	2600000	B	1	YES	S2AVEM
PCB-158	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-159	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-160	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-161	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-162	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-164	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-165	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-167	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-169	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-170	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-171/173	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-172	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-174	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-175	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-176	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-177	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-178	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-179	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-180/193	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-181	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-182	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-183/185	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-184	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-186	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-187	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-188	Spike	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-189	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-190	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-191	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-192	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-194	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-195	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-196	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-197/200	Target	3600000		pg/L	3600000	B	1	YES	S2AVEM
PCB-198/199	Target	3600000		pg/L	3600000		1	YES	S2AVEM
PCB-201	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-202	Spike	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-203	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-204	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-205	Spike	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-206	Spike	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-207	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-208	Spike	1900000		pg/L	1900000	B	1	YES	S2AVEM
PCB-209	Spike	1800000		pg/L	1800000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: CLCSD5R	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Spike	570		pg/L	570	B	1	YES	S2AVEM
PCB-2	Target	600		pg/L	600	B	1	YES	S2AVEM
PCB-3	Spike	590		pg/L	590	B	1	YES	S2AVEM
PCB-4	Spike	600		pg/L	600	B	1	YES	S2AVEM
PCB-5	Target	600		pg/L	600		1	YES	S2AVEM
PCB-6	Target	590		pg/L	590		1	YES	S2AVEM
PCB-7	Target	590		pg/L	590		1	YES	S2AVEM
PCB-8	Target	610		pg/L	610		1	YES	S2AVEM
PCB-9	Target	590		pg/L	590		1	YES	S2AVEM
PCB-10	Target	570		pg/L	570		1	YES	S2AVEM
PCB-11	Target	710		pg/L	710	B	1	YES	S2AVEM
PCB-12/13	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-14	Target	590		pg/L	590		1	YES	S2AVEM
PCB-15	Spike	630		pg/L	630		1	YES	S2AVEM
PCB-16	Target	540		pg/L	540	B	1	YES	S2AVEM
PCB-17	Target	560		pg/L	560	B	1	YES	S2AVEM
PCB-18/30	Target	1100		pg/L	1100	B	1	YES	S2AVEM
PCB-19	Spike	560		pg/L	560	B	1	YES	S2AVEM
PCB-20/28	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-21/33	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-22	Target	620		pg/L	620	B	1	YES	S2AVEM
PCB-23	Target	560		pg/L	560		1	YES	S2AVEM
PCB-24	Target	550		pg/L	550		1	YES	S2AVEM
PCB-25	Target	620		pg/L	620		1	YES	S2AVEM
PCB-26/29	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-27	Target	550		pg/L	550		1	YES	S2AVEM
PCB-31	Target	600		pg/L	600	B	1	YES	S2AVEM
PCB-32	Target	560		pg/L	560	B	1	YES	S2AVEM
PCB-34	Target	560		pg/L	560		1	YES	S2AVEM
PCB-35	Target	630		pg/L	630		1	YES	S2AVEM
PCB-36	Target	620		pg/L	620		1	YES	S2AVEM
PCB-37	Spike	590		pg/L	590	B	1	YES	S2AVEM
PCB-38	Target	610		pg/L	610		1	YES	S2AVEM
PCB-39	Target	620		pg/L	620		1	YES	S2AVEM
PCB-40/71	Target	2400		pg/L	2400		1	YES	S2AVEM
PCB-41	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-42	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-43	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-44/47/65	Target	3500		pg/L	3500	B	1	YES	S2AVEM
PCB-45/51	Target	2200		pg/L	2200	B	1	YES	S2AVEM
PCB-46	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-48	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-49/69	Target	2300		pg/L	2300	B	1	YES	S2AVEM
PCB-50/53	Target	2200		pg/L	2200	B	1	YES	S2AVEM
PCB-52	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-54	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-55	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-56	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-57	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-58	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-59/62/75	Target	3400		pg/L	3400		1	YES	S2AVEM
PCB-60	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-61/70/74/76	Target	4900		pg/L	4900	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-64	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-66	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-67	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-68	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-72	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-73	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-77	Spike	1100		pg/L	1100	B	1	YES	S2AVEM
PCB-78	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-79	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-80	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-81	Spike	1100		pg/L	1100		1	YES	S2AVEM
PCB-82	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-83	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-84	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-85/116/117	Target	8700		pg/L	8700	B	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	7000		pg/L	7000	B	1	YES	S2AVEM
PCB-88/91	Target	4700		pg/L	4700		1	YES	S2AVEM
PCB-89	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-90/101/113	Target	3500		pg/L	3500	B	1	YES	S2AVEM
PCB-92	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-93/100	Target	2200		pg/L	2200		1	YES	S2AVEM
PCB-94	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-95	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-96	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-98/102	Target	2200		pg/L	2200		1	YES	S2AVEM
PCB-99	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-103	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-104	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-105	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-106	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-107	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-108/124	Target	2500		pg/L	2500		1	YES	S2AVEM
PCB-110/115	Target	4400		pg/L	4400	B	1	YES	S2AVEM
PCB-111	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-112	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-114	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-118	Spike	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-120	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-121	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-122	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-123	Spike	1100		pg/L	1100		1	YES	S2AVEM
PCB-126	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-127	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-128/166	Target	2500		pg/L	2500	B	1	YES	S2AVEM
PCB-129/138/163	Target	3700		pg/L	3700	B	1	YES	S2AVEM
PCB-130	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-131	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-132	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-133	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-134	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-135/151	Target	2400		pg/L	2400	B	1	YES	S2AVEM
PCB-136	Target	1100		pg/L	1100	B	1	YES	S2AVEM
PCB-137	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-139/140	Target	2400		pg/L	2400		1	YES	S2AVEM
PCB-141	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-142	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-143	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-144	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-145	Target	1200		pg/L	1200		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-147/149	Target	2400		pg/L	2400	B	1	YES	S2AVEM
PCB-148	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-150	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-152	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-153/168	Target	2500		pg/L	2500	B	1	YES	S2AVEM
PCB-154	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-155	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-156/157	Spike	2600		pg/L	2600	B	1	YES	S2AVEM
PCB-158	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-159	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-160	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-161	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-162	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-164	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-165	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-167	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-169	Spike	1300		pg/L	1300		1	YES	S2AVEM
PCB-170	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-171/173	Target	2400		pg/L	2400		1	YES	S2AVEM
PCB-172	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-174	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-175	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-176	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-177	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-178	Target	1100		pg/L	1100		1	YES	S2AVEM
PCB-179	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-180/193	Target	2500		pg/L	2500	B	1	YES	S2AVEM
PCB-181	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-182	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-183/185	Target	2400		pg/L	2400		1	YES	S2AVEM
PCB-184	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-186	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-187	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-188	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-189	Spike	1200		pg/L	1200		1	YES	S2AVEM
PCB-190	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-191	Target	1200		pg/L	1200		1	YES	S2AVEM
PCB-192	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-194	Target	1800		pg/L	1800	B	1	YES	S2AVEM
PCB-195	Target	1800		pg/L	1800		1	YES	S2AVEM
PCB-196	Target	1800		pg/L	1800		1	YES	S2AVEM
PCB-197/200	Target	3500		pg/L	3500		1	YES	S2AVEM
PCB-198/199	Target	3400		pg/L	3400	B	1	YES	S2AVEM
PCB-201	Target	1700		pg/L	1700		1	YES	S2AVEM
PCB-202	Spike	1800		pg/L	1800		1	YES	S2AVEM
PCB-203	Target	1800		pg/L	1800		1	YES	S2AVEM
PCB-204	Target	1700		pg/L	1700		1	YES	S2AVEM
PCB-205	Spike	1600		pg/L	1600		1	YES	S2AVEM
PCB-206	Spike	1600		pg/L	1600		1	YES	S2AVEM
PCB-207	Target	1800		pg/L	1800		1	YES	S2AVEM
PCB-208	Spike	1800		pg/L	1800		1	YES	S2AVEM
PCB-209	Spike	1800		pg/L	1800	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: CLSD5S	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Spike	560000		pg/L	560000		1	YES	S2AVEM
PCB-2	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-3	Spike	590000		pg/L	590000		1	YES	S2AVEM
PCB-4	Spike	600000		pg/L	600000		1	YES	S2AVEM
PCB-5	Target	630000		pg/L	630000		1	YES	S2AVEM
PCB-6	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-7	Target	620000		pg/L	620000		1	YES	S2AVEM
PCB-8	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-9	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-10	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-11	Target	630000		pg/L	630000		1	YES	S2AVEM
PCB-12/13	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-14	Target	640000		pg/L	640000		1	YES	S2AVEM
PCB-15	Spike	620000		pg/L	620000		1	YES	S2AVEM
PCB-16	Target	570000		pg/L	570000		1	YES	S2AVEM
PCB-17	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-18/30	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-19	Spike	590000		pg/L	590000		1	YES	S2AVEM
PCB-20/28	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-21/33	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-22	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-23	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-24	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-25	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-26/29	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-27	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-31	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-32	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-34	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-35	Target	640000		pg/L	640000		1	YES	S2AVEM
PCB-36	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-37	Spike	600000		pg/L	600000		1	YES	S2AVEM
PCB-38	Target	630000		pg/L	630000		1	YES	S2AVEM
PCB-39	Target	620000		pg/L	620000		1	YES	S2AVEM
PCB-40/71	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-41	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-42	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-43	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-44/47/65	Target	3400000		pg/L	3400000		1	YES	S2AVEM
PCB-45/51	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-46	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-48	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-49/69	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-50/53	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-52	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-54	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-55	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-56	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-57	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-58	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-59/62/75	Target	3400000		pg/L	3400000		1	YES	S2AVEM
PCB-60	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-61/70/74/76	Target	5000000		pg/L	5000000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-64	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-66	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-67	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-68	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-72	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-73	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-77	Spike	1100000		pg/L	1100000	B	1	YES	S2AVEM
PCB-78	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-79	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-80	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-81	Spike	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-82	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-83	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-84	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-85/116/117	Target	3500000		pg/L	3500000		1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	6900000		pg/L	6900000		1	YES	S2AVEM
PCB-88/91	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-89	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-90/101/113	Target	3400000		pg/L	3400000		1	YES	S2AVEM
PCB-92	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-93/100	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-94	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-95	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-96	Target	940000		pg/L	940000		1	YES	S2AVEM
PCB-98/102	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-99	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-103	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-104	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-105	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-106	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-107	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-108/124	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-110/115	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-111	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-112	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-114	Spike	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-118	Spike	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-120	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-121	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-122	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-123	Spike	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-126	Spike	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-127	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-128/166	Target	2500000		pg/L	2500000		1	YES	S2AVEM
PCB-129/138/163	Target	3600000		pg/L	3600000		1	YES	S2AVEM
PCB-130	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-131	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-132	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-133	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-134	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-135/151	Target	2100000		pg/L	2100000		1	YES	S2AVEM
PCB-136	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-137	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-139/140	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-141	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-142	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-143	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-144	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-145	Target	1000000		pg/L	1000000		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-147/149	Target	2400000		pg/L	2400000		1	YES	S2AVEM
PCB-148	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-150	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-152	Target	970000		pg/L	970000		1	YES	S2AVEM
PCB-153/168	Target	2400000		pg/L	2400000		1	YES	S2AVEM
PCB-154	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-155	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-156/157	Spike	2600000		pg/L	2600000	B	1	YES	S2AVEM
PCB-158	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-159	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-160	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-161	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-162	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-164	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-165	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-167	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-169	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-170	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-171/173	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-172	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-174	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-175	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-176	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-177	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-178	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-179	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-180/193	Target	2700000		pg/L	2700000		1	YES	S2AVEM
PCB-181	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-182	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-183/185	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-184	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-186	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-187	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-188	Spike	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-189	Spike	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-190	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-191	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-192	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-194	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-195	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-196	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-197/200	Target	3500000		pg/L	3500000	B	1	YES	S2AVEM
PCB-198/199	Target	3500000		pg/L	3500000		1	YES	S2AVEM
PCB-201	Target	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-202	Spike	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-203	Target	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-204	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-205	Spike	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-206	Spike	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-207	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-208	Spike	1900000		pg/L	1900000	B	1	YES	S2AVEM
PCB-209	Spike	1800000		pg/L	1800000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5F1	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-4-S19	pH: 8	Sample Date: 06/07/2019	Sample Time: 09:17:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	36		pg/L	36	B	1	YES	S2AVEM
PCB-2	Target	20	U	pg/L	1.6	BJ	1	YES	S2AVEM
PCB-3	Target	20	U	pg/L	2.4	BJ	1	YES	S2AVEM
PCB-4	Target	620		pg/L	620	B	1	YES	S2AVEM
PCB-5	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-6	Target	29		pg/L	29		1	YES	S2AVEM
PCB-7	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-8	Target	70		pg/L	70		1	YES	S2AVEM
PCB-9	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-10	Target	54		pg/L	54		1	YES	S2AVEM
PCB-11	Target	70	U	pg/L	26	B	1	YES	S2AVEM
PCB-12/13	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-14	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-15	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-16	Target	77		pg/L	77	B	1	YES	S2AVEM
PCB-17	Target	95		pg/L	95	B	1	YES	S2AVEM
PCB-18/30	Target	270		pg/L	270	B	1	YES	S2AVEM
PCB-19	Target	130		pg/L	130	B	1	YES	S2AVEM
PCB-20/28	Target	53		pg/L	53	B	1	YES	S2AVEM
PCB-21/33	Target	41	U	pg/L	8.8	BJ	1	YES	S2AVEM
PCB-22	Target	20	U	pg/L	13	BJ	1	YES	S2AVEM
PCB-23	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-24	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-25	Target	45		pg/L	45		1	YES	S2AVEM
PCB-26/29	Target	160		pg/L	160	B	1	YES	S2AVEM
PCB-27	Target	83		pg/L	83		1	YES	S2AVEM
PCB-31	Target	55		pg/L	55	B	1	YES	S2AVEM
PCB-32	Target	100		pg/L	100	B	1	YES	S2AVEM
PCB-34	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-35	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-36	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-37	Target	20	U	pg/L	3.5	BJ	1	YES	S2AVEM
PCB-38	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-39	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-40/71	Target	18	J	pg/L	18	J	1	YES	S2AVEM
PCB-41	Target	2.1	J	pg/L	2.1	J	1	YES	S2AVEM
PCB-42	Target	24		pg/L	24		1	YES	S2AVEM
PCB-43	Target	7.2	J	pg/L	7.2	J	1	YES	S2AVEM
PCB-44/47/65	Target	140		pg/L	140	B	1	YES	S2AVEM
PCB-45/51	Target	41	U	pg/L	31	BJ	1	YES	S2AVEM
PCB-46	Target	20	U	pg/L	13	J	1	YES	S2AVEM
PCB-48	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-49/69	Target	180		pg/L	180	B	1	YES	S2AVEM
PCB-50/53	Target	86		pg/L	86	B	1	YES	S2AVEM
PCB-52	Target	600		pg/L	600	B	1	YES	S2AVEM
PCB-54	Target	20	U	pg/L	8.0	J	1	YES	S2AVEM
PCB-55	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-56	Target	20	U	pg/L	5.5	BJ	1	YES	S2AVEM
PCB-57	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-58	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-59/62/75	Target	14	J	pg/L	14	J	1	YES	S2AVEM
PCB-60	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-61/70/74/76	Target	81	U	pg/L	44	BJ	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-64	Target	50		pg/L	50		1	YES	S2AVEM
PCB-66	Target	20	U	pg/L	16	BJ	1	YES	S2AVEM
PCB-67	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-68	Target	2.1	J	pg/L	2.1	J	1	YES	S2AVEM
PCB-72	Target	4.5	J	pg/L	4.5	J	1	YES	S2AVEM
PCB-73	Target	5.3	J	pg/L	5.3	J	1	YES	S2AVEM
PCB-77	Target	2.4	U	pg/L	2.4	U	1	YES	S2AVEM
PCB-78	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-79	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-80	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-81	Target	2.3	U	pg/L	2.3	U	1	YES	S2AVEM
PCB-82	Target	5.2	J	pg/L	5.2	J	1	YES	S2AVEM
PCB-83	Target	5.3	J	pg/L	5.3	J	1	YES	S2AVEM
PCB-84	Target	23		pg/L	23		1	YES	S2AVEM
PCB-85/116/117	Target	61	U	pg/L	52	BJ	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	120	U	pg/L	42	BJ	1	YES	S2AVEM
PCB-88/91	Target	41	U	pg/L	38	J	1	YES	S2AVEM
PCB-89	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-90/101/113	Target	82		pg/L	82	B	1	YES	S2AVEM
PCB-92	Target	21		pg/L	21		1	YES	S2AVEM
PCB-93/100	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-94	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-95	Target	120		pg/L	120	B	1	YES	S2AVEM
PCB-96	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-98/102	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-99	Target	44		pg/L	44	B	1	YES	S2AVEM
PCB-103	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-104	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-105	Target	31		pg/L	31		1	YES	S2AVEM
PCB-106	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-107	Target	6.3	J	pg/L	6.3	J	1	YES	S2AVEM
PCB-108/124	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-110/115	Target	190		pg/L	190	B	1	YES	S2AVEM
PCB-111	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-112	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-114	Target	3.1	U	pg/L	3.1	U	1	YES	S2AVEM
PCB-118	Target	91		pg/L	91	B	1	YES	S2AVEM
PCB-120	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-121	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-122	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-123	Target	3.0	U	pg/L	3.0	U	1	YES	S2AVEM
PCB-126	Target	3.4	U	pg/L	3.4	U	1	YES	S2AVEM
PCB-127	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-128/166	Target	41	U	pg/L	21	BJ	1	YES	S2AVEM
PCB-129/138/163	Target	120		pg/L	120	B	1	YES	S2AVEM
PCB-130	Target	7.8	J	pg/L	7.8	J	1	YES	S2AVEM
PCB-131	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-132	Target	22		pg/L	22		1	YES	S2AVEM
PCB-133	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-134	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-135/151	Target	41	U	pg/L	18	BJ	1	YES	S2AVEM
PCB-136	Target	20	U	pg/L	6.3	BJ	1	YES	S2AVEM
PCB-137	Target	7.4	J	pg/L	7.4	J	1	YES	S2AVEM
PCB-139/140	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-141	Target	9.4	J	pg/L	9.4	J	1	YES	S2AVEM
PCB-142	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-143	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-144	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-145	Target	20	U	pg/L	20	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	11	J	pg/L	11	J	1	YES	S2AVEM
PCB-147/149	Target	49		pg/L	49	B	1	YES	S2AVEM
PCB-148	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-150	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-152	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-153/168	Target	79		pg/L	79	B	1	YES	S2AVEM
PCB-154	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-155	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-156/157	Target	41	U	pg/L	14	BJ	1	YES	S2AVEM
PCB-158	Target	9.1	J	pg/L	9.1	J	1	YES	S2AVEM
PCB-159	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-160	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-161	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-162	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-164	Target	6.8	J	pg/L	6.8	J	1	YES	S2AVEM
PCB-165	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-167	Target	4.7	J	pg/L	4.7	J	1	YES	S2AVEM
PCB-169	Target	3.2	U	pg/L	3.2	UM	1	YES	S2AVEM
PCB-170	Target	7.4	J	pg/L	7.4	J	1	YES	S2AVEM
PCB-171/173	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-172	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-174	Target	6.4	J	pg/L	6.4	J	1	YES	S2AVEM
PCB-175	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-176	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-177	Target	4.2	J	pg/L	4.2	J	1	YES	S2AVEM
PCB-178	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-179	Target	2.5	J	pg/L	2.5	J	1	YES	S2AVEM
PCB-180/193	Target	41	U	pg/L	11	BJ	1	YES	S2AVEM
PCB-181	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-182	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-183/185	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-184	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-186	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-187	Target	20	U	pg/L	6.0	J	1	YES	S2AVEM
PCB-188	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-189	Target	1.9	U	pg/L	1.9	U	1	YES	S2AVEM
PCB-190	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-191	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-192	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-194	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-195	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-196	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-197/200	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-198/199	Target	41	U	pg/L	2.2	BJ	1	YES	S2AVEM
PCB-201	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-202	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-203	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-204	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-205	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-206	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-207	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-208	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-209	Target	20	U	pg/L	20	U	1	YES	S2AVEM
Total MoCB	Derived	36		pg/L	40	J	1	YES	S2AVEM
Total DiCB	Derived	770		pg/L	800	J	1	YES	S2AVEM
Total TrCB	Derived	1100		pg/L	1100	J	1	YES	S2AVEM
Total TeCB	Derived	1100	J	pg/L	1300	J	1	YES	S2AVEM
Total PeCB	Derived	620	J	pg/L	750	J	1	YES	S2AVEM
Total HxCB	Derived	330	J	pg/L	380	J	1	YES	S2AVEM
Total HpCB	Derived	21	J	pg/L	37	J	1	YES	S2AVEM
Total OcCB	Derived		U	pg/L	2.2	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	4000	J	pg/L	4400	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0038		pg/L	0.0042		1	YES	S2AVEM
TEQ (Bird)	Derived	0.0041		pg/L	0.0055		1	YES	S2AVEM
TEQ (Fish)	Derived	0.00063		pg/L	0.00071		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5H6	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: FB06072019	pH: 8	Sample Date: 06/07/2019	Sample Time: 13:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	10	J	pg/L	10	BJ	1	YES	S2AVEM
PCB-2	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-3	Target	3.4	J	pg/L	3.4	BJ	1	YES	S2AVEM
PCB-4	Target	38		pg/L	38	B	1	YES	S2AVEM
PCB-5	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-6	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-7	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-8	Target	19	J	pg/L	19	J	1	YES	S2AVEM
PCB-9	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-10	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-11	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-12/13	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-14	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-15	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-16	Target	9.7	J	pg/L	9.7	BJ	1	YES	S2AVEM
PCB-17	Target	5.7	J	pg/L	5.7	BJ	1	YES	S2AVEM
PCB-18/30	Target	16	J	pg/L	16	BJ	1	YES	S2AVEM
PCB-19	Target	5.1	J	pg/L	5.1	BJ	1	YES	S2AVEM
PCB-20/28	Target	10	J	pg/L	10	BJ	1	YES	S2AVEM
PCB-21/33	Target	7.4	J	pg/L	7.4	BJ	1	YES	S2AVEM
PCB-22	Target	4.1	J	pg/L	4.1	BJ	1	YES	S2AVEM
PCB-23	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-24	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-25	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-26/29	Target	3.1	J	pg/L	3.1	BJ	1	YES	S2AVEM
PCB-27	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-31	Target	10	J	pg/L	10	BJ	1	YES	S2AVEM
PCB-32	Target	4.6	J	pg/L	4.6	BJ	1	YES	S2AVEM
PCB-34	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-35	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-36	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-37	Target	2.5	J	pg/L	2.5	BJ	1	YES	S2AVEM
PCB-38	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-39	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-40/71	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-41	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-42	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-43	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-44/47/65	Target	16	J	pg/L	16	BJ	1	YES	S2AVEM
PCB-45/51	Target	4.6	J	pg/L	4.6	BJ	1	YES	S2AVEM
PCB-46	Target	2.0	J	pg/L	2.0	J	1	YES	S2AVEM
PCB-48	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-49/69	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-50/53	Target	3.6	J	pg/L	3.6	BJ	1	YES	S2AVEM
PCB-52	Target	32		pg/L	32	B	1	YES	S2AVEM
PCB-54	Target	1.7	J	pg/L	1.7	J	1	YES	S2AVEM
PCB-55	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-56	Target	3.7	J	pg/L	3.7	BJ	1	YES	S2AVEM
PCB-57	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-58	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-59/62/75	Target	61	U	pg/L	61	U	1	YES	S2AVEM
PCB-60	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-61/70/74/76	Target	24	J	pg/L	24	BJ	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-64	Target	5.3	J	pg/L	5.3	J	1	YES	S2AVEM
PCB-66	Target	6.0	J	pg/L	6.0	BJ	1	YES	S2AVEM
PCB-67	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-68	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-72	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-73	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-77	Target	2.9	U	pg/L	2.9	U	1	YES	S2AVEM
PCB-78	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-79	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-80	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-81	Target	2.9	U	pg/L	2.9	U	1	YES	S2AVEM
PCB-82	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-83	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-84	Target	7.9	J	pg/L	7.9	J	1	YES	S2AVEM
PCB-85/116/117	Target	6.7	J	pg/L	6.7	BJ	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	22	J	pg/L	22	BJ	1	YES	S2AVEM
PCB-88/91	Target	6.3	J	pg/L	6.3	J	1	YES	S2AVEM
PCB-89	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-90/101/113	Target	29	J	pg/L	29	BJ	1	YES	S2AVEM
PCB-92	Target	6.2	J	pg/L	6.2	J	1	YES	S2AVEM
PCB-93/100	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-94	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-95	Target	25		pg/L	25	B	1	YES	S2AVEM
PCB-96	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-98/102	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-99	Target	12	J	pg/L	12	BJ	1	YES	S2AVEM
PCB-103	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-104	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-105	Target	8.8	J	pg/L	8.8	J	1	YES	S2AVEM
PCB-106	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-107	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-108/124	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-110/115	Target	33	J	pg/L	33	BJ	1	YES	S2AVEM
PCB-111	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-112	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-114	Target	3.2	U	pg/L	3.2	U	1	YES	S2AVEM
PCB-118	Target	23		pg/L	23	B	1	YES	S2AVEM
PCB-120	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-121	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-122	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-123	Target	3.1	U	pg/L	3.1	U	1	YES	S2AVEM
PCB-126	Target	3.4	U	pg/L	3.4	U	1	YES	S2AVEM
PCB-127	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-128/166	Target	4.0	J	pg/L	4.0	BJ	1	YES	S2AVEM
PCB-129/138/163	Target	21	J	pg/L	21	BJ	1	YES	S2AVEM
PCB-130	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-131	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-132	Target	7.3	J	pg/L	7.3	J	1	YES	S2AVEM
PCB-133	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-134	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-135/151	Target	5.5	J	pg/L	5.5	BJ	1	YES	S2AVEM
PCB-136	Target	3.4	J	pg/L	3.4	BJ	1	YES	S2AVEM
PCB-137	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-139/140	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-141	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-142	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-143	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-144	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-145	Target	20	U	pg/L	20	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-147/149	Target	12	J	pg/L	12	BJ	1	YES	S2AVEM
PCB-148	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-150	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-152	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-153/168	Target	13	J	pg/L	13	BJ	1	YES	S2AVEM
PCB-154	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-155	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-156/157	Target	4.2	J	pg/L	4.2	BJ	1	YES	S2AVEM
PCB-158	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-159	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-160	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-161	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-162	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-164	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-165	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-167	Target	2.1	J	pg/L	2.1	*	1	YES	S2AVEM
PCB-169	Target	3.2	U	pg/L	3.2	UM	1	YES	S2AVEM
PCB-170	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-171/173	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-172	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-174	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-175	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-176	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-177	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-178	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-179	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-180/193	Target	4.7	J	pg/L	4.7	BJ	1	YES	S2AVEM
PCB-181	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-182	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-183/185	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-184	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-186	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-187	Target	2.3	J	pg/L	2.3	J	1	YES	S2AVEM
PCB-188	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-189	Target	1.9	U	pg/L	1.9	U	1	YES	S2AVEM
PCB-190	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-191	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-192	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-194	Target	2.0	J	pg/L	2.0	BJ	1	YES	S2AVEM
PCB-195	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-196	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-197/200	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-198/199	Target	40	U	pg/L	40	U	1	YES	S2AVEM
PCB-201	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-202	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-203	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-204	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-205	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-206	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-207	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-208	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-209	Target	20	U	pg/L	20	U	1	YES	S2AVEM
Total MoCB	Derived	14	J	pg/L	14	J	1	YES	S2AVEM
Total DiCB	Derived	56	J	pg/L	56	J	1	YES	S2AVEM
Total TrCB	Derived	79	J	pg/L	79	J	1	YES	S2AVEM
Total TeCB	Derived	99	J	pg/L	99	J	1	YES	S2AVEM
Total PeCB	Derived	180	J	pg/L	180	J	1	YES	S2AVEM
Total HxCB	Derived	70	J	pg/L	70	J	1	YES	S2AVEM
Total HpCB	Derived	7.0	J	pg/L	7.0	J	1	YES	S2AVEM
Total OcCB	Derived	2.0	J	pg/L	2.0	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	510	J	pg/L	510	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0011		pg/L	0.0011		1	YES	S2AVEM
TEQ (Bird)	Derived	0.0015		pg/L	0.0015		1	YES	S2AVEM
TEQ (Fish)	Derived	0.00018		pg/L	0.00018		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5L0	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW01A-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 08:23:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	41000		pg/L	41000	B	1	YES	S2AVEM
PCB-2	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-3	Target	200	U	pg/L	110	BJ	1	YES	S2AVEM
PCB-4	Target	330000		pg/L	330000	B	1	YES	S2AVEM
PCB-5	Target	1000		pg/L	1000		1	YES	S2AVEM
PCB-6	Target	16000		pg/L	16000		1	YES	S2AVEM
PCB-7	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-8	Target	60000		pg/L	60000		1	YES	S2AVEM
PCB-9	Target	5000		pg/L	5000		1	YES	S2AVEM
PCB-10	Target	61000		pg/L	61000		1	YES	S2AVEM
PCB-11	Target	706	U	pg/L	540	B	1	YES	S2AVEM
PCB-12/13	Target	900		pg/L	900		1	YES	S2AVEM
PCB-14	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-15	Target	8700		pg/L	8700		1	YES	S2AVEM
PCB-16	Target	32000		pg/L	32000	B	1	YES	S2AVEM
PCB-17	Target	25000		pg/L	25000	B	1	YES	S2AVEM
PCB-18/30	Target	66000		pg/L	66000	B	1	YES	S2AVEM
PCB-19	Target	150000		pg/L	150000	B	1	YES	S2AVEM
PCB-20/28	Target	17000		pg/L	17000	B	1	YES	S2AVEM
PCB-21/33	Target	3700		pg/L	3700	B	1	YES	S2AVEM
PCB-22	Target	7200		pg/L	7200	B	1	YES	S2AVEM
PCB-23	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-24	Target	3600		pg/L	3600		1	YES	S2AVEM
PCB-25	Target	1800		pg/L	1800		1	YES	S2AVEM
PCB-26/29	Target	4400		pg/L	4400	B	1	YES	S2AVEM
PCB-27	Target	17000		pg/L	17000		1	YES	S2AVEM
PCB-31	Target	16000		pg/L	16000	B	1	YES	S2AVEM
PCB-32	Target	62000		pg/L	62000	B	1	YES	S2AVEM
PCB-34	Target	69	J	pg/L	69	J	1	YES	S2AVEM
PCB-35	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-36	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-37	Target	670		pg/L	670	B	1	YES	S2AVEM
PCB-38	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-39	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-40/71	Target	4300		pg/L	4300		1	YES	S2AVEM
PCB-41	Target	810		pg/L	810		1	YES	S2AVEM
PCB-42	Target	2300		pg/L	2300		1	YES	S2AVEM
PCB-43	Target	680		pg/L	680		1	YES	S2AVEM
PCB-44/47/65	Target	21000		pg/L	21000	B	1	YES	S2AVEM
PCB-45/51	Target	8400		pg/L	8400	B	1	YES	S2AVEM
PCB-46	Target	3400		pg/L	3400		1	YES	S2AVEM
PCB-48	Target	1000		pg/L	1000		1	YES	S2AVEM
PCB-49/69	Target	9200		pg/L	9200	B	1	YES	S2AVEM
PCB-50/53	Target	9900		pg/L	9900	B	1	YES	S2AVEM
PCB-52	Target	48000		pg/L	48000	B	1	YES	S2AVEM
PCB-54	Target	440		pg/L	440		1	YES	S2AVEM
PCB-55	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-56	Target	680		pg/L	680	B	1	YES	S2AVEM
PCB-57	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-58	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-59/62/75	Target	840		pg/L	840		1	YES	S2AVEM
PCB-60	Target	200		pg/L	200	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-61/70/74/76	Target	5700		pg/L	5700	B	1	YES	S2AVEM
PCB-63	Target	60	J	pg/L	60	J	1	YES	S2AVEM
PCB-64	Target	4500		pg/L	4500		1	YES	S2AVEM
PCB-66	Target	1300		pg/L	1300	B	1	YES	S2AVEM
PCB-67	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-68	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-72	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-73	Target	580		pg/L	580		1	YES	S2AVEM
PCB-77	Target	46	J	pg/L	46	*B	1	YES	S2AVEM
PCB-78	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-79	Target	47	J	pg/L	47	J	1	YES	S2AVEM
PCB-80	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-81	Target	36	U	pg/L	36	U	1	YES	S2AVEM
PCB-82	Target	400		pg/L	400		1	YES	S2AVEM
PCB-83	Target	220		pg/L	220		1	YES	S2AVEM
PCB-84	Target	3600		pg/L	3600		1	YES	S2AVEM
PCB-85/116/117	Target	610	U	pg/L	390	BJ	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	2900		pg/L	2900	B	1	YES	S2AVEM
PCB-88/91	Target	930		pg/L	930		1	YES	S2AVEM
PCB-89	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-90/101/113	Target	4200		pg/L	4200	B	1	YES	S2AVEM
PCB-92	Target	870		pg/L	870		1	YES	S2AVEM
PCB-93/100	Target	80	J	pg/L	80	J	1	YES	S2AVEM
PCB-94	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-95	Target	12000		pg/L	12000	B	1	YES	S2AVEM
PCB-96	Target	120	J	pg/L	120	J	1	YES	S2AVEM
PCB-98/102	Target	230	J	pg/L	230	J	1	YES	S2AVEM
PCB-99	Target	1100		pg/L	1100	B	1	YES	S2AVEM
PCB-103	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-104	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-105	Target	470		pg/L	470		1	YES	S2AVEM
PCB-106	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-107	Target	73	J	pg/L	73	J	1	YES	S2AVEM
PCB-108/124	Target	58	J	pg/L	58	J	1	YES	S2AVEM
PCB-110/115	Target	5100		pg/L	5100	B	1	YES	S2AVEM
PCB-111	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-112	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-114	Target	34	U	pg/L	34	U	1	YES	S2AVEM
PCB-118	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-120	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-121	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-122	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-123	Target	32	U	pg/L	32	U	1	YES	S2AVEM
PCB-126	Target	37	U	pg/L	37	U	1	YES	S2AVEM
PCB-127	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-128/166	Target	400	U	pg/L	130	BJ	1	YES	S2AVEM
PCB-129/138/163	Target	860		pg/L	860	B	1	YES	S2AVEM
PCB-130	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-131	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-132	Target	400		pg/L	400		1	YES	S2AVEM
PCB-133	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-134	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-135/151	Target	400	U	pg/L	290	BJ	1	YES	S2AVEM
PCB-136	Target	220		pg/L	220	B	1	YES	S2AVEM
PCB-137	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-139/140	Target	400	U	pg/L	400	U	1	YES	S2AVEM
PCB-141	Target	140	J	pg/L	140	J	1	YES	S2AVEM
PCB-142	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-143	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-144	Target	48	J	pg/L	48	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-145	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-146	Target	87	J	pg/L	87	J	1	YES	S2AVEM
PCB-147/149	Target	670		pg/L	670	B	1	YES	S2AVEM
PCB-148	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-150	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-152	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-153/168	Target	570		pg/L	570	B	1	YES	S2AVEM
PCB-154	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-155	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-156/157	Target	400	U	pg/L	81	BJ	1	YES	S2AVEM
PCB-158	Target	88	J	pg/L	88	J	1	YES	S2AVEM
PCB-159	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-160	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-161	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-162	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-164	Target	68	J	pg/L	68	J	1	YES	S2AVEM
PCB-165	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-167	Target	34	J	pg/L	34	J	1	YES	S2AVEM
PCB-169	Target	32	U	pg/L	32	UM	1	YES	S2AVEM
PCB-170	Target	80	J	pg/L	80	J	1	YES	S2AVEM
PCB-171/173	Target	400	U	pg/L	400	U	1	YES	S2AVEM
PCB-172	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-174	Target	82	J	pg/L	82	J	1	YES	S2AVEM
PCB-175	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-176	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-177	Target	55	J	pg/L	55	J	1	YES	S2AVEM
PCB-178	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-179	Target	27	J	pg/L	27	J	1	YES	S2AVEM
PCB-180/193	Target	400	U	pg/L	190	BJ	1	YES	S2AVEM
PCB-181	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-182	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-183/185	Target	49	J	pg/L	49	J	1	YES	S2AVEM
PCB-184	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-186	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-187	Target	68	J	pg/L	68	J	1	YES	S2AVEM
PCB-188	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-189	Target	26	U	pg/L	26	U	1	YES	S2AVEM
PCB-190	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-191	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-192	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-194	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-195	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-196	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-197/200	Target	400	U	pg/L	400	U	1	YES	S2AVEM
PCB-198/199	Target	400	U	pg/L	33	BJ	1	YES	S2AVEM
PCB-201	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-202	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-203	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-204	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-205	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-206	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-207	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-208	Target	200	U	pg/L	200	U	1	YES	S2AVEM
PCB-209	Target	200	U	pg/L	200	U	1	YES	S2AVEM
Total MoCB	Derived	41000	J	pg/L	41000	J	1	YES	S2AVEM
Total DiCB	Derived	480000		pg/L	490000	J	1	YES	S2AVEM
Total TrCB	Derived	400000	J	pg/L	400000	J	1	YES	S2AVEM
Total TeCB	Derived	120000	J	pg/L	120000	J	1	YES	S2AVEM
Total PeCB	Derived	33000	J	pg/L	34000	J	1	YES	S2AVEM
Total HxCB	Derived	3200	J	pg/L	3700	J	1	YES	S2AVEM
Total HpCB	Derived	360	J	pg/L	550	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total OcCB	Derived		U	pg/L	33	J	1	YES	S2AVEM
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	1100000	J	pg/L	1100000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.051		pg/L	0.054		1	YES	S2AVEM
TEQ (Bird)	Derived	0.059		pg/L	0.067		1	YES	S2AVEM
TEQ (Fish)	Derived	0.0085		pg/L	0.0091		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5L7	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: FB061119	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	9.0	J	pg/L	9.0	BJ	1	YES	S2AVEM
PCB-2	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-3	Target	2.4	J	pg/L	2.4	BJ	1	YES	S2AVEM
PCB-4	Target	27		pg/L	27	B	1	YES	S2AVEM
PCB-5	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-6	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-7	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-8	Target	13	J	pg/L	13	J	1	YES	S2AVEM
PCB-9	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-10	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-11	Target	30		pg/L	30	B	1	YES	S2AVEM
PCB-12/13	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-14	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-15	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-16	Target	5.8	J	pg/L	5.8	BJ	1	YES	S2AVEM
PCB-17	Target	4.9	J	pg/L	4.9	BJ	1	YES	S2AVEM
PCB-18/30	Target	10	J	pg/L	10	BJ	1	YES	S2AVEM
PCB-19	Target	3.2	J	pg/L	3.2	BJ	1	YES	S2AVEM
PCB-20/28	Target	6.7	J	pg/L	6.7	BJ	1	YES	S2AVEM
PCB-21/33	Target	4.6	J	pg/L	4.6	BJ	1	YES	S2AVEM
PCB-22	Target	3.1	J	pg/L	3.1	BJ	1	YES	S2AVEM
PCB-23	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-24	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-25	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-26/29	Target	2.1	J	pg/L	2.1	BJ	1	YES	S2AVEM
PCB-27	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-31	Target	6.7	J	pg/L	6.7	BJ	1	YES	S2AVEM
PCB-32	Target	2.6	J	pg/L	2.6	BJ	1	YES	S2AVEM
PCB-34	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-35	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-36	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-37	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-38	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-39	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-40/71	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-41	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-42	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-43	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-44/47/65	Target	6.5	J	pg/L	6.5	BJ	1	YES	S2AVEM
PCB-45/51	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-46	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-48	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-49/69	Target	3.8	J	pg/L	3.8	BJ	1	YES	S2AVEM
PCB-50/53	Target	1.9	J	pg/L	1.9	BJ	1	YES	S2AVEM
PCB-52	Target	13	J	pg/L	13	BJ	1	YES	S2AVEM
PCB-54	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-55	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-56	Target	1.7	J	pg/L	1.7	BJ	1	YES	S2AVEM
PCB-57	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-58	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-59/62/75	Target	61	U	pg/L	61	U	1	YES	S2AVEM
PCB-60	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-61/70/74/76	Target	7.4	J	pg/L	7.4	BJ	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-64	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-66	Target	2.9	J	pg/L	2.9	BJ	1	YES	S2AVEM
PCB-67	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-68	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-72	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-73	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-77	Target	1.9	U	pg/L	1.9	UM	1	YES	S2AVEM
PCB-78	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-79	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-80	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-81	Target	1.6	U	pg/L	1.6	U	1	YES	S2AVEM
PCB-82	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-83	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-84	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-85/116/117	Target	61	U	pg/L	61	U	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	5.4	J	pg/L	5.4	BJ	1	YES	S2AVEM
PCB-88/91	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-89	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-90/101/113	Target	6.2	J	pg/L	6.2	BJ	1	YES	S2AVEM
PCB-92	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-93/100	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-94	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-95	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-96	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-98/102	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-99	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-103	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-104	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-105	Target	4.2	U	pg/L	4.2	UM	1	YES	S2AVEM
PCB-106	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-107	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-108/124	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-110/115	Target	7.4	J	pg/L	7.4	BJ	1	YES	S2AVEM
PCB-111	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-112	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-114	Target	2.4	U	pg/L	2.4	U	1	YES	S2AVEM
PCB-118	Target	5.7	U	pg/L	5.7	UM	1	YES	S2AVEM
PCB-120	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-121	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-122	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-123	Target	2.3	U	pg/L	2.3	U	1	YES	S2AVEM
PCB-126	Target	2.5	U	pg/L	2.5	U	1	YES	S2AVEM
PCB-127	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-128/166	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-129/138/163	Target	4.0	J	pg/L	4.0	BJ	1	YES	S2AVEM
PCB-130	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-131	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-132	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-133	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-134	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-135/151	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-136	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-137	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-139/140	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-141	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-142	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-143	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-144	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-145	Target	20	U	pg/L	20	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-147/149	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-148	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-150	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-152	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-153/168	Target	3.4	J	pg/L	3.4	BJ	1	YES	S2AVEM
PCB-154	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-155	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-156/157	Target	3.0	U	pg/L	3.0	UM	1	YES	S2AVEM
PCB-158	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-159	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-160	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-161	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-162	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-164	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-165	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-167	Target	2.0	U	pg/L	2.0	UM	1	YES	S2AVEM
PCB-169	Target	3.2	U	pg/L	3.2	UM	1	YES	S2AVEM
PCB-170	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-171/173	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-172	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-174	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-175	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-176	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-177	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-178	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-179	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-180/193	Target	2.8	J	pg/L	2.8	BJ	1	YES	S2AVEM
PCB-181	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-182	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-183/185	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-184	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-186	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-187	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-188	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-189	Target	1.9	U	pg/L	1.9	UM	1	YES	S2AVEM
PCB-190	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-191	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-192	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-194	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-195	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-196	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-197/200	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-198/199	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-201	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-202	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-203	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-204	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-205	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-206	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-207	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-208	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-209	Target	20	U	pg/L	20	U	1	YES	S2AVEM
Total MoCB	Derived	11	J	pg/L	11	J	1	YES	S2AVEM
Total DiCB	Derived	70	J	pg/L	70	J	1	YES	S2AVEM
Total TrCB	Derived	50	J	pg/L	50	J	1	YES	S2AVEM
Total TeCB	Derived	37	J	pg/L	37	J	1	YES	S2AVEM
Total PeCB	Derived	19	J	pg/L	19	J	1	YES	S2AVEM
Total HxCB	Derived	7.4	J	pg/L	7.4	J	1	YES	S2AVEM
Total HpCB	Derived	2.8	J	pg/L	2.8	J	1	YES	S2AVEM
Total OcCB	Derived		U			U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	200	J	pg/L	200	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5M5	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-7-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	21000		pg/L	21000	B	1	YES	S2AVEM
PCB-2	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-3	Target	190	U	pg/L	99	BJ	1	YES	S2AVEM
PCB-4	Target	160000		pg/L	160000	B	1	YES	S2AVEM
PCB-5	Target	310		pg/L	310		1	YES	S2AVEM
PCB-6	Target	4800		pg/L	4800		1	YES	S2AVEM
PCB-7	Target	430		pg/L	430		1	YES	S2AVEM
PCB-8	Target	21000		pg/L	21000		1	YES	S2AVEM
PCB-9	Target	1600		pg/L	1600		1	YES	S2AVEM
PCB-10	Target	8700		pg/L	8700		1	YES	S2AVEM
PCB-11	Target	680	U	pg/L	420	B	1	YES	S2AVEM
PCB-12/13	Target	98	J	pg/L	98	J	1	YES	S2AVEM
PCB-14	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-15	Target	1300		pg/L	1300		1	YES	S2AVEM
PCB-16	Target	11000		pg/L	11000	B	1	YES	S2AVEM
PCB-17	Target	7400		pg/L	7400	B	1	YES	S2AVEM
PCB-18/30	Target	25000		pg/L	25000	B	1	YES	S2AVEM
PCB-19	Target	20000		pg/L	20000	B	1	YES	S2AVEM
PCB-20/28	Target	1600		pg/L	1600	B	1	YES	S2AVEM
PCB-21/33	Target	660		pg/L	660	B	1	YES	S2AVEM
PCB-22	Target	610		pg/L	610	B	1	YES	S2AVEM
PCB-23	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-24	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-25	Target	160	J	pg/L	160	J	1	YES	S2AVEM
PCB-26/29	Target	390		pg/L	390	B	1	YES	S2AVEM
PCB-27	Target	2200		pg/L	2200		1	YES	S2AVEM
PCB-31	Target	1600		pg/L	1600	B	1	YES	S2AVEM
PCB-32	Target	5500		pg/L	5500	B	1	YES	S2AVEM
PCB-34	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-35	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-36	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-37	Target	190	U	pg/L	44	BJ	1	YES	S2AVEM
PCB-38	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-39	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-40/71	Target	250	J	pg/L	250	J	1	YES	S2AVEM
PCB-41	Target	59	J	pg/L	59	J	1	YES	S2AVEM
PCB-42	Target	130	J	pg/L	130	J	1	YES	S2AVEM
PCB-43	Target	58	J	pg/L	58	J	1	YES	S2AVEM
PCB-44/47/65	Target	1200		pg/L	1200	B	1	YES	S2AVEM
PCB-45/51	Target	600		pg/L	600	B	1	YES	S2AVEM
PCB-46	Target	260		pg/L	260		1	YES	S2AVEM
PCB-48	Target	89	J	pg/L	89	J	1	YES	S2AVEM
PCB-49/69	Target	550		pg/L	550	B	1	YES	S2AVEM
PCB-50/53	Target	1000		pg/L	1000	B	1	YES	S2AVEM
PCB-52	Target	3100		pg/L	3100	B	1	YES	S2AVEM
PCB-54	Target	100	J	pg/L	100	J	1	YES	S2AVEM
PCB-55	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-56	Target	190	U	pg/L	38	BJ	1	YES	S2AVEM
PCB-57	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-58	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-59/62/75	Target	44	J	pg/L	44	J	1	YES	S2AVEM
PCB-60	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-61/70/74/76	Target	780	U	pg/L	260	BJ	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-64	Target	230		pg/L	230		1	YES	S2AVEM
PCB-66	Target	190	U	pg/L	60	BJ	1	YES	S2AVEM
PCB-67	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-68	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-72	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-73	Target	37	J	pg/L	37	J	1	YES	S2AVEM
PCB-77	Target	23	U	pg/L	23	U	1	YES	S2AVEM
PCB-78	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-79	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-80	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-81	Target	22	U	pg/L	22	U	1	YES	S2AVEM
PCB-82	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-83	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-84	Target	170	J	pg/L	170	J	1	YES	S2AVEM
PCB-85/116/117	Target	580	U	pg/L	34	BJ	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	1200	U	pg/L	190	BJ	1	YES	S2AVEM
PCB-88/91	Target	61	J	pg/L	61	J	1	YES	S2AVEM
PCB-89	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-90/101/113	Target	580	U	pg/L	280	BJ	1	YES	S2AVEM
PCB-92	Target	61	J	pg/L	61	J	1	YES	S2AVEM
PCB-93/100	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-94	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-95	Target	700		pg/L	700	B	1	YES	S2AVEM
PCB-96	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-98/102	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-99	Target	190	U	pg/L	80	BJ	1	YES	S2AVEM
PCB-103	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-104	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-105	Target	40	U	pg/L	40	UM	1	YES	S2AVEM
PCB-106	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-107	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-108/124	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-110/115	Target	390	U	pg/L	300	BJ	1	YES	S2AVEM
PCB-111	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-112	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-114	Target	22	U	pg/L	22	UM	1	YES	S2AVEM
PCB-118	Target	190	U	pg/L	94	BJ	1	YES	S2AVEM
PCB-120	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-121	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-122	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-123	Target	20	U	pg/L	20	UM	1	YES	S2AVEM
PCB-126	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-127	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-128/166	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-129/138/163	Target	580	U	pg/L	79	BJ	1	YES	S2AVEM
PCB-130	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-131	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-132	Target	40	J	pg/L	40	J	1	YES	S2AVEM
PCB-133	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-134	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-135/151	Target	390	U	pg/L	35	BJ	1	YES	S2AVEM
PCB-136	Target	190	U	pg/L	25	BJ	1	YES	S2AVEM
PCB-137	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-139/140	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-141	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-142	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-143	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-144	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-145	Target	190	U	pg/L	190	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-147/149	Target	390	U	pg/L	79	BJ	1	YES	S2AVEM
PCB-148	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-150	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-152	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-153/168	Target	390	U	pg/L	55	BJ	1	YES	S2AVEM
PCB-154	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-155	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-156/157	Target	29	U	pg/L	29	UM	1	YES	S2AVEM
PCB-158	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-159	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-160	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-161	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-162	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-164	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-165	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-167	Target	19	U	pg/L	19	UM	1	YES	S2AVEM
PCB-169	Target	31	U	pg/L	31	UM	1	YES	S2AVEM
PCB-170	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-171/173	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-172	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-174	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-175	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-176	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-177	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-178	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-179	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-180/193	Target	390	U	pg/L	27	BJ	1	YES	S2AVEM
PCB-181	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-182	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-183/185	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-184	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-186	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-187	Target	16	J	pg/L	16	J	1	YES	S2AVEM
PCB-188	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-189	Target	18	U	pg/L	18	UM	1	YES	S2AVEM
PCB-190	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-191	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-192	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-194	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-195	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-196	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-197/200	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-198/199	Target	390	U	pg/L	390	U	1	YES	S2AVEM
PCB-201	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-202	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-203	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-204	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-205	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-206	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-207	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-208	Target	190	U	pg/L	190	U	1	YES	S2AVEM
PCB-209	Target	190	U	pg/L	190	U	1	YES	S2AVEM
Total MoCB	Derived	21000		pg/L	22000	J	1	YES	S2AVEM
Total DiCB	Derived	200000	J	pg/L	200000	J	1	YES	S2AVEM
Total TrCB	Derived	76000	J	pg/L	76000	J	1	YES	S2AVEM
Total TeCB	Derived	7700	J	pg/L	8100	J	1	YES	S2AVEM
Total PeCB	Derived	990	J	pg/L	2000	J	1	YES	S2AVEM
Total HxCB	Derived	40	J	pg/L	310	J	1	YES	S2AVEM
Total HpCB	Derived	16	J	pg/L	43	J	1	YES	S2AVEM
Total OcCB	Derived		U			U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	310000	J	pg/L	310000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0		pg/L	0.0028		1	YES	S2AVEM
TEQ (Bird)	Derived	0.0		pg/L	0.00094		1	YES	S2AVEM
TEQ (Fish)	Derived	0.0		pg/L	0.00047		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5M8	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW12-SH-S19	pH: 7	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	1600000		pg/L	1600000		1	YES	S2AVEM
PCB-2	Target	40000		pg/L	40000		1	YES	S2AVEM
PCB-3	Target	230000		pg/L	230000		1	YES	S2AVEM
PCB-4	Target	9800000		pg/L	9800000		1	YES	S2AVEM
PCB-5	Target	130000		pg/L	130000		1	YES	S2AVEM
PCB-6	Target	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-7	Target	190000		pg/L	190000		1	YES	S2AVEM
PCB-8	Target	6200000		pg/L	6200000		1	YES	S2AVEM
PCB-9	Target	500000		pg/L	500000		1	YES	S2AVEM
PCB-10	Target	530000		pg/L	530000		1	YES	S2AVEM
PCB-11	Target	21000	U	pg/L	16000	J	1	YES	S2AVEM
PCB-12/13	Target	160000		pg/L	160000		1	YES	S2AVEM
PCB-14	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-15	Target	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-16	Target	3100000		pg/L	3100000		1	YES	S2AVEM
PCB-17	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-18/30	Target	5800000		pg/L	5800000		1	YES	S2AVEM
PCB-19	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-20/28	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-21/33	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-22	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-23	Target	4000	J	pg/L	4000	J	1	YES	S2AVEM
PCB-24	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-25	Target	230000		pg/L	230000		1	YES	S2AVEM
PCB-26/29	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-27	Target	410000		pg/L	410000		1	YES	S2AVEM
PCB-31	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-32	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-34	Target	10000	J	pg/L	10000	J	1	YES	S2AVEM
PCB-35	Target	23000		pg/L	23000		1	YES	S2AVEM
PCB-36	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-37	Target	560000		pg/L	560000		1	YES	S2AVEM
PCB-38	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-39	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-40/71	Target	470000		pg/L	470000		1	YES	S2AVEM
PCB-41	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-42	Target	280000		pg/L	280000		1	YES	S2AVEM
PCB-43	Target	61000		pg/L	61000		1	YES	S2AVEM
PCB-44/47/65	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-45/51	Target	320000		pg/L	320000		1	YES	S2AVEM
PCB-46	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-48	Target	210000		pg/L	210000		1	YES	S2AVEM
PCB-49/69	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-50/53	Target	250000		pg/L	250000		1	YES	S2AVEM
PCB-52	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-54	Target	7100	J	pg/L	7100	J	1	YES	S2AVEM
PCB-55	Target	15000	J	pg/L	15000	J	1	YES	S2AVEM
PCB-56	Target	260000		pg/L	260000		1	YES	S2AVEM
PCB-57	Target	3600	J	pg/L	3600	J	1	YES	S2AVEM
PCB-58	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-59/62/75	Target	88000		pg/L	88000		1	YES	S2AVEM
PCB-60	Target	130000		pg/L	130000		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-61/70/74/76	Target	1000000		pg/L	1000000	B	1	YES	S2AVEM
PCB-63	Target	17000	J	pg/L	17000	J	1	YES	S2AVEM
PCB-64	Target	440000		pg/L	440000		1	YES	S2AVEM
PCB-66	Target	380000		pg/L	380000		1	YES	S2AVEM
PCB-67	Target	16000	J	pg/L	16000	J	1	YES	S2AVEM
PCB-68	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-72	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-73	Target	19000	J	pg/L	19000	J	1	YES	S2AVEM
PCB-77	Target	24000		pg/L	24000	B	1	YES	S2AVEM
PCB-78	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-79	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-80	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-81	Target	2500	U	pg/L	2500	U	1	YES	S2AVEM
PCB-82	Target	49000		pg/L	49000		1	YES	S2AVEM
PCB-83	Target	30000		pg/L	30000		1	YES	S2AVEM
PCB-84	Target	220000		pg/L	220000		1	YES	S2AVEM
PCB-85/116/117	Target	54000	J	pg/L	54000	J	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	260000		pg/L	260000		1	YES	S2AVEM
PCB-88/91	Target	69000		pg/L	69000		1	YES	S2AVEM
PCB-89	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-90/101/113	Target	340000		pg/L	340000		1	YES	S2AVEM
PCB-92	Target	64000		pg/L	64000		1	YES	S2AVEM
PCB-93/100	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-94	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-95	Target	590000		pg/L	590000		1	YES	S2AVEM
PCB-96	Target	6000	J	pg/L	6000	J	1	YES	S2AVEM
PCB-98/102	Target	13000	J	pg/L	13000	J	1	YES	S2AVEM
PCB-99	Target	100000		pg/L	100000		1	YES	S2AVEM
PCB-103	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-104	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-105	Target	70000		pg/L	70000		1	YES	S2AVEM
PCB-106	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-107	Target	9000	J	pg/L	9000	J	1	YES	S2AVEM
PCB-108/124	Target	8400	J	pg/L	8400	J	1	YES	S2AVEM
PCB-110/115	Target	450000		pg/L	450000		1	YES	S2AVEM
PCB-111	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-112	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-114	Target	3200	U	pg/L	3200	U	1	YES	S2AVEM
PCB-118	Target	150000		pg/L	150000		1	YES	S2AVEM
PCB-120	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-121	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-122	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-123	Target	3100	U	pg/L	3100	U	1	YES	S2AVEM
PCB-126	Target	3700	U	pg/L	3700	U	1	YES	S2AVEM
PCB-127	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-128/166	Target	13000	J	pg/L	13000	J	1	YES	S2AVEM
PCB-129/138/163	Target	62000	U	pg/L	60000	J	1	YES	S2AVEM
PCB-130	Target	5100	J	pg/L	5100	J	1	YES	S2AVEM
PCB-131	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-132	Target	35000		pg/L	35000		1	YES	S2AVEM
PCB-133	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-134	Target	6800	J	pg/L	6800	J	1	YES	S2AVEM
PCB-135/151	Target	20000	J	pg/L	20000	J	1	YES	S2AVEM
PCB-136	Target	16000	J	pg/L	16000	J	1	YES	S2AVEM
PCB-137	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-139/140	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-141	Target	10000	J	pg/L	10000	J	1	YES	S2AVEM
PCB-142	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-143	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-144	Target	3100	J	pg/L	3100	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-145	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-146	Target	5500	J	pg/L	5500	J	1	YES	S2AVEM
PCB-147/149	Target	57000		pg/L	57000		1	YES	S2AVEM
PCB-148	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-150	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-152	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-153/168	Target	41000	U	pg/L	34000	J	1	YES	S2AVEM
PCB-154	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-155	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-156/157	Target	41000	U	pg/L	7300	BJ	1	YES	S2AVEM
PCB-158	Target	6600	J	pg/L	6600	J	1	YES	S2AVEM
PCB-159	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-160	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-161	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-162	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-164	Target	5700	J	pg/L	5700	J	1	YES	S2AVEM
PCB-165	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-167	Target	2200	J	pg/L	2200	J	1	YES	S2AVEM
PCB-169	Target	3300	U	pg/L	3300	UM	1	YES	S2AVEM
PCB-170	Target	3200	J	pg/L	3200	J	1	YES	S2AVEM
PCB-171/173	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-172	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-174	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-175	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-176	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-177	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-178	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-179	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-180/193	Target	41000	U	pg/L	4800	J	1	YES	S2AVEM
PCB-181	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-182	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-183/185	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-184	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-186	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-187	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-188	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-189	Target	2700	U	pg/L	2700	U	1	YES	S2AVEM
PCB-190	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-191	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-192	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-194	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-195	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-196	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-197/200	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-198/199	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-201	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-202	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-203	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-204	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-205	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-206	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-207	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-208	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-209	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
Total MoCB	Derived	1900000		pg/L	1900000	J	1	YES	S2AVEM
Total DiCB	Derived	21000000		pg/L	21000000	J	1	YES	S2AVEM
Total TrCB	Derived	24000000	J	pg/L	24000000	J	1	YES	S2AVEM
Total TeCB	Derived	7900000	J	pg/L	7900000	J	1	YES	S2AVEM
Total PeCB	Derived	2500000	J	pg/L	2500000	J	1	YES	S2AVEM
Total HxCB	Derived	190000	J	pg/L	290000	J	1	YES	S2AVEM
Total HpCB	Derived	3200	J	pg/L	8000	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total OcCB	Derived		U			U	1	YES	S2AVEM
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	57000000	J	pg/L	57000000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	9.1		pg/L	9.2		1	YES	S2AVEM
TEQ (Bird)	Derived	1200		pg/L	1200		1	YES	S2AVEM
TEQ (Fish)	Derived	3.5		pg/L	3.5		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5M9	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW11-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:30:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	250000		pg/L	250000		1	YES	S2AVEM
PCB-2	Target	7600	J	pg/L	7600	J	1	YES	S2AVEM
PCB-3	Target	27000		pg/L	27000		1	YES	S2AVEM
PCB-4	Target	2900000		pg/L	2900000		1	YES	S2AVEM
PCB-5	Target	20000		pg/L	20000		1	YES	S2AVEM
PCB-6	Target	380000		pg/L	380000		1	YES	S2AVEM
PCB-7	Target	23000		pg/L	23000		1	YES	S2AVEM
PCB-8	Target	960000		pg/L	960000		1	YES	S2AVEM
PCB-9	Target	100000		pg/L	100000		1	YES	S2AVEM
PCB-10	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-11	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-12/13	Target	30000	J	pg/L	30000	J	1	YES	S2AVEM
PCB-14	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-15	Target	600000		pg/L	600000		1	YES	S2AVEM
PCB-16	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-17	Target	780000		pg/L	780000		1	YES	S2AVEM
PCB-18/30	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-19	Target	510000		pg/L	510000		1	YES	S2AVEM
PCB-20/28	Target	950000		pg/L	950000		1	YES	S2AVEM
PCB-21/33	Target	410000		pg/L	410000		1	YES	S2AVEM
PCB-22	Target	420000		pg/L	420000		1	YES	S2AVEM
PCB-23	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-24	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-25	Target	70000		pg/L	70000		1	YES	S2AVEM
PCB-26/29	Target	200000		pg/L	200000		1	YES	S2AVEM
PCB-27	Target	170000		pg/L	170000		1	YES	S2AVEM
PCB-31	Target	840000		pg/L	840000		1	YES	S2AVEM
PCB-32	Target	500000		pg/L	500000		1	YES	S2AVEM
PCB-34	Target	3500	J	pg/L	3500	J	1	YES	S2AVEM
PCB-35	Target	8100	J	pg/L	8100	J	1	YES	S2AVEM
PCB-36	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-37	Target	220000		pg/L	220000		1	YES	S2AVEM
PCB-38	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-39	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-40/71	Target	170000		pg/L	170000		1	YES	S2AVEM
PCB-41	Target	45000		pg/L	45000		1	YES	S2AVEM
PCB-42	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-43	Target	22000		pg/L	22000		1	YES	S2AVEM
PCB-44/47/65	Target	680000		pg/L	680000		1	YES	S2AVEM
PCB-45/51	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-46	Target	45000		pg/L	45000		1	YES	S2AVEM
PCB-48	Target	65000		pg/L	65000		1	YES	S2AVEM
PCB-49/69	Target	300000		pg/L	300000		1	YES	S2AVEM
PCB-50/53	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-52	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-54	Target	2800	J	pg/L	2800	J	1	YES	S2AVEM
PCB-55	Target	5200	J	pg/L	5200	J	1	YES	S2AVEM
PCB-56	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-57	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-58	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-59/62/75	Target	31000	J	pg/L	31000	J	1	YES	S2AVEM
PCB-60	Target	50000		pg/L	50000		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-61/70/74/76	Target	630000		pg/L	630000	B	1	YES	S2AVEM
PCB-63	Target	7200	J	pg/L	7200	J	1	YES	S2AVEM
PCB-64	Target	210000		pg/L	210000		1	YES	S2AVEM
PCB-66	Target	190000		pg/L	190000		1	YES	S2AVEM
PCB-67	Target	7000	J	pg/L	7000	J	1	YES	S2AVEM
PCB-68	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-72	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-73	Target	8800	J	pg/L	8800	J	1	YES	S2AVEM
PCB-77	Target	20000	U	pg/L	10000	BJ	1	YES	S2AVEM
PCB-78	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-79	Target	5300	J	pg/L	5300	J	1	YES	S2AVEM
PCB-80	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-81	Target	2900	U	pg/L	2900	U	1	YES	S2AVEM
PCB-82	Target	56000		pg/L	56000		1	YES	S2AVEM
PCB-83	Target	33000		pg/L	33000		1	YES	S2AVEM
PCB-84	Target	220000		pg/L	220000		1	YES	S2AVEM
PCB-85/116/117	Target	72000		pg/L	72000		1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	310000		pg/L	310000		1	YES	S2AVEM
PCB-88/91	Target	72000		pg/L	72000		1	YES	S2AVEM
PCB-89	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-90/101/113	Target	410000		pg/L	410000		1	YES	S2AVEM
PCB-92	Target	75000		pg/L	75000		1	YES	S2AVEM
PCB-93/100	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-94	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-95	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-96	Target	4500	J	pg/L	4500	J	1	YES	S2AVEM
PCB-98/102	Target	15000	J	pg/L	15000	J	1	YES	S2AVEM
PCB-99	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-103	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-104	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-105	Target	130000		pg/L	130000		1	YES	S2AVEM
PCB-106	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-107	Target	15000	J	pg/L	15000	J	1	YES	S2AVEM
PCB-108/124	Target	12000	J	pg/L	12000	J	1	YES	S2AVEM
PCB-110/115	Target	560000		pg/L	560000		1	YES	S2AVEM
PCB-111	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-112	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-114	Target	6500	J	pg/L	6500	J	1	YES	S2AVEM
PCB-118	Target	280000		pg/L	280000		1	YES	S2AVEM
PCB-120	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-121	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-122	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-123	Target	4100	U	pg/L	4100	U	1	YES	S2AVEM
PCB-126	Target	4800	U	pg/L	4800	U	1	YES	S2AVEM
PCB-127	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-128/166	Target	41000		pg/L	41000		1	YES	S2AVEM
PCB-129/138/163	Target	210000		pg/L	210000		1	YES	S2AVEM
PCB-130	Target	13000	J	pg/L	13000	J	1	YES	S2AVEM
PCB-131	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-132	Target	81000		pg/L	81000		1	YES	S2AVEM
PCB-133	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-134	Target	14000	J	pg/L	14000	J	1	YES	S2AVEM
PCB-135/151	Target	38000	J	pg/L	38000	J	1	YES	S2AVEM
PCB-136	Target	26000		pg/L	26000		1	YES	S2AVEM
PCB-137	Target	13000	J	pg/L	13000	J	1	YES	S2AVEM
PCB-139/140	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-141	Target	27000		pg/L	27000		1	YES	S2AVEM
PCB-142	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-143	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-144	Target	7400	J	pg/L	7400	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-145	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-146	Target	16000	J	pg/L	16000	J	1	YES	S2AVEM
PCB-147/149	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-148	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-150	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-152	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-153/168	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-154	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-155	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-156/157	Target	41000	U	pg/L	33000	BJ	1	YES	S2AVEM
PCB-158	Target	23000		pg/L	23000		1	YES	S2AVEM
PCB-159	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-160	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-161	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-162	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-164	Target	14000	J	pg/L	14000	J	1	YES	S2AVEM
PCB-165	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-167	Target	8500	J	pg/L	8500	J	1	YES	S2AVEM
PCB-169	Target	3200	U	pg/L	3200	UM	1	YES	S2AVEM
PCB-170	Target	19000	J	pg/L	19000	J	1	YES	S2AVEM
PCB-171/173	Target	6600	J	pg/L	6600	J	1	YES	S2AVEM
PCB-172	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-174	Target	13000	J	pg/L	13000	J	1	YES	S2AVEM
PCB-175	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-176	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-177	Target	7700	J	pg/L	7700	J	1	YES	S2AVEM
PCB-178	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-179	Target	3800	J	pg/L	3800	J	1	YES	S2AVEM
PCB-180/193	Target	41000	U	pg/L	27000	J	1	YES	S2AVEM
PCB-181	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-182	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-183/185	Target	8300	J	pg/L	8300	J	1	YES	S2AVEM
PCB-184	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-186	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-187	Target	8400	J	pg/L	8400	J	1	YES	S2AVEM
PCB-188	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-189	Target	2900	U	pg/L	2900	U	1	YES	S2AVEM
PCB-190	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-191	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-192	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-194	Target	4100	J	pg/L	4100	J	1	YES	S2AVEM
PCB-195	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-196	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-197/200	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-198/199	Target	3600	J	pg/L	3600	J	1	YES	S2AVEM
PCB-201	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-202	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-203	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-204	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-205	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-206	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-207	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-208	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-209	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
Total MoCB	Derived	290000	J	pg/L	290000	J	1	YES	S2AVEM
Total DiCB	Derived	5200000	J	pg/L	5200000	J	1	YES	S2AVEM
Total TrCB	Derived	8300000	J	pg/L	8300000	J	1	YES	S2AVEM
Total TeCB	Derived	4200000	J	pg/L	4200000	J	1	YES	S2AVEM
Total PeCB	Derived	3000000	J	pg/L	3000000	J	1	YES	S2AVEM
Total HxCB	Derived	760000	J	pg/L	800000	J	1	YES	S2AVEM
Total HpCB	Derived	67000	J	pg/L	93000	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total OcCB	Derived	7600	J	pg/L	7600	J	1	YES	S2AVEM
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	22000000	J	pg/L	22000000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	13		pg/L	15		1	YES	S2AVEM
TEQ (Bird)	Derived	16		pg/L	520		1	YES	S2AVEM
TEQ (Fish)	Derived	2.1		pg/L	3.3		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q0	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW14S-2-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	370000		pg/L	370000		1	YES	S2AVEM
PCB-2	Target	21000	U	pg/L	15000	J	1	YES	S2AVEM
PCB-3	Target	81000		pg/L	81000		1	YES	S2AVEM
PCB-4	Target	3700000		pg/L	3700000		1	YES	S2AVEM
PCB-5	Target	40000		pg/L	40000		1	YES	S2AVEM
PCB-6	Target	770000		pg/L	770000		1	YES	S2AVEM
PCB-7	Target	67000		pg/L	67000		1	YES	S2AVEM
PCB-8	Target	4400000		pg/L	4400000		1	YES	S2AVEM
PCB-9	Target	200000		pg/L	200000		1	YES	S2AVEM
PCB-10	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-11	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-12/13	Target	62000		pg/L	62000		1	YES	S2AVEM
PCB-14	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-15	Target	970000		pg/L	970000		1	YES	S2AVEM
PCB-16	Target	2800000		pg/L	2800000		1	YES	S2AVEM
PCB-17	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-18/30	Target	5200000		pg/L	5200000		1	YES	S2AVEM
PCB-19	Target	820000		pg/L	820000		1	YES	S2AVEM
PCB-20/28	Target	4600000		pg/L	4600000		1	YES	S2AVEM
PCB-21/33	Target	3400000		pg/L	3400000		1	YES	S2AVEM
PCB-22	Target	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-23	Target	7800	J	pg/L	7800	J	1	YES	S2AVEM
PCB-24	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-25	Target	400000		pg/L	400000		1	YES	S2AVEM
PCB-26/29	Target	900000		pg/L	900000		1	YES	S2AVEM
PCB-27	Target	390000		pg/L	390000		1	YES	S2AVEM
PCB-31	Target	4300000		pg/L	4300000		1	YES	S2AVEM
PCB-32	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-34	Target	20000	J	pg/L	20000	J	1	YES	S2AVEM
PCB-35	Target	44000		pg/L	44000		1	YES	S2AVEM
PCB-36	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-37	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-38	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-39	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-40/71	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-41	Target	360000		pg/L	360000		1	YES	S2AVEM
PCB-42	Target	830000		pg/L	830000		1	YES	S2AVEM
PCB-43	Target	210000		pg/L	210000		1	YES	S2AVEM
PCB-44/47/65	Target	4500000		pg/L	4500000		1	YES	S2AVEM
PCB-45/51	Target	550000		pg/L	550000		1	YES	S2AVEM
PCB-46	Target	180000		pg/L	180000		1	YES	S2AVEM
PCB-48	Target	650000		pg/L	650000		1	YES	S2AVEM
PCB-49/69	Target	2700000		pg/L	2700000		1	YES	S2AVEM
PCB-50/53	Target	470000		pg/L	470000		1	YES	S2AVEM
PCB-52	Target	8800000		pg/L	8800000		1	YES	S2AVEM
PCB-54	Target	21000	U	pg/L	7800	J	1	YES	S2AVEM
PCB-55	Target	69000		pg/L	69000		1	YES	S2AVEM
PCB-56	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-57	Target	28000		pg/L	28000		1	YES	S2AVEM
PCB-58	Target	19000	J	pg/L	19000	J	1	YES	S2AVEM
PCB-59/62/75	Target	250000		pg/L	250000		1	YES	S2AVEM
PCB-60	Target	710000		pg/L	710000		1	YES	S2AVEM
PCB-61/70/74/76	Target	9400000		pg/L	9400000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-64	Target	1600000		pg/L	1600000		1	YES	S2AVEM
PCB-66	Target	2800000		pg/L	2800000		1	YES	S2AVEM
PCB-67	Target	100000		pg/L	100000		1	YES	S2AVEM
PCB-68	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-72	Target	9400	J	pg/L	9400	J	1	YES	S2AVEM
PCB-73	Target	93000		pg/L	93000		1	YES	S2AVEM
PCB-77	Target	170000		pg/L	170000	B	1	YES	S2AVEM
PCB-78	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-79	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-80	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-81	Target	16000	J	pg/L	16000	J	1	YES	S2AVEM
PCB-82	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-83	Target	910000		pg/L	910000		1	YES	S2AVEM
PCB-84	Target	3000000		pg/L	3000000		1	YES	S2AVEM
PCB-85/116/117	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	8800000		pg/L	8800000		1	YES	S2AVEM
PCB-88/91	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-89	Target	80000		pg/L	80000		1	YES	S2AVEM
PCB-90/101/113	Target	13000000		pg/L	13000000		1	YES	S2AVEM
PCB-92	Target	2100000		pg/L	2100000		1	YES	S2AVEM
PCB-93/100	Target	77000		pg/L	77000		1	YES	S2AVEM
PCB-94	Target	35000		pg/L	35000		1	YES	S2AVEM
PCB-95	Target	8900000		pg/L	8900000		1	YES	S2AVEM
PCB-96	Target	47000		pg/L	47000		1	YES	S2AVEM
PCB-98/102	Target	290000		pg/L	290000		1	YES	S2AVEM
PCB-99	Target	4900000		pg/L	4900000		1	YES	S2AVEM
PCB-103	Target	46000		pg/L	46000		1	YES	S2AVEM
PCB-104	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-105	Target	5000000		pg/L	5000000		1	YES	S2AVEM
PCB-106	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-107	Target	670000		pg/L	670000		1	YES	S2AVEM
PCB-108/124	Target	490000		pg/L	490000		1	YES	S2AVEM
PCB-110/115	Target	15000000		pg/L	15000000		1	YES	S2AVEM
PCB-111	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-112	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-114	Target	280000		pg/L	280000		1	YES	S2AVEM
PCB-118	Target	13000000		pg/L	13000000		1	YES	S2AVEM
PCB-120	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-121	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-122	Target	99000		pg/L	99000		1	YES	S2AVEM
PCB-123	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-126	Target	28000		pg/L	28000		1	YES	S2AVEM
PCB-127	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-128/166	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-129/138/163	Target	12000000		pg/L	12000000		1	YES	S2AVEM
PCB-130	Target	740000		pg/L	740000		1	YES	S2AVEM
PCB-131	Target	200000		pg/L	200000		1	YES	S2AVEM
PCB-132	Target	3500000		pg/L	3500000		1	YES	S2AVEM
PCB-133	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-134	Target	580000		pg/L	580000		1	YES	S2AVEM
PCB-135/151	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-136	Target	940000		pg/L	940000		1	YES	S2AVEM
PCB-137	Target	830000		pg/L	830000		1	YES	S2AVEM
PCB-139/140	Target	250000		pg/L	250000		1	YES	S2AVEM
PCB-141	Target	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-142	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-143	Target	16000	J	pg/L	16000	J	1	YES	S2AVEM
PCB-144	Target	380000		pg/L	380000		1	YES	S2AVEM
PCB-145	Target	4800	J	pg/L	4800	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-147/149	Target	6200000		pg/L	6200000		1	YES	S2AVEM
PCB-148	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-150	Target	8800	J	pg/L	8800	J	1	YES	S2AVEM
PCB-152	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-153/168	Target	7500000		pg/L	7500000		1	YES	S2AVEM
PCB-154	Target	70000		pg/L	70000		1	YES	S2AVEM
PCB-155	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-156/157	Target	2000000		pg/L	2000000	B	1	YES	S2AVEM
PCB-158	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-159	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-160	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-161	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-162	Target	45000		pg/L	45000		1	YES	S2AVEM
PCB-164	Target	630000		pg/L	630000		1	YES	S2AVEM
PCB-165	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-167	Target	550000		pg/L	550000		1	YES	S2AVEM
PCB-169	Target	3300	U	pg/L	3300	UM	1	YES	S2AVEM
PCB-170	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-171/173	Target	320000		pg/L	320000		1	YES	S2AVEM
PCB-172	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-174	Target	690000		pg/L	690000		1	YES	S2AVEM
PCB-175	Target	32000		pg/L	32000		1	YES	S2AVEM
PCB-176	Target	90000		pg/L	90000		1	YES	S2AVEM
PCB-177	Target	400000		pg/L	400000		1	YES	S2AVEM
PCB-178	Target	100000		pg/L	100000		1	YES	S2AVEM
PCB-179	Target	210000		pg/L	210000		1	YES	S2AVEM
PCB-180/193	Target	1500000		pg/L	1500000		1	YES	S2AVEM
PCB-181	Target	26000		pg/L	26000		1	YES	S2AVEM
PCB-182	Target	6900	J	pg/L	6900	J	1	YES	S2AVEM
PCB-183/185	Target	510000		pg/L	510000		1	YES	S2AVEM
PCB-184	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-186	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-187	Target	550000		pg/L	550000		1	YES	S2AVEM
PCB-188	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-189	Target	54000		pg/L	54000		1	YES	S2AVEM
PCB-190	Target	180000		pg/L	180000		1	YES	S2AVEM
PCB-191	Target	38000		pg/L	38000		1	YES	S2AVEM
PCB-192	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-194	Target	160000		pg/L	160000		1	YES	S2AVEM
PCB-195	Target	55000		pg/L	55000		1	YES	S2AVEM
PCB-196	Target	76000		pg/L	76000		1	YES	S2AVEM
PCB-197/200	Target	42000	U	pg/L	23000	BJ	1	YES	S2AVEM
PCB-198/199	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-201	Target	19000	J	pg/L	19000	J	1	YES	S2AVEM
PCB-202	Target	28000		pg/L	28000		1	YES	S2AVEM
PCB-203	Target	97000		pg/L	97000		1	YES	S2AVEM
PCB-204	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-205	Target	21000	U	pg/L	7300	J	1	YES	S2AVEM
PCB-206	Target	63000		pg/L	63000		1	YES	S2AVEM
PCB-207	Target	8000	J	pg/L	8000	J	1	YES	S2AVEM
PCB-208	Target	21000	U	pg/L	18000	BJ	1	YES	S2AVEM
PCB-209	Target	21000	U	pg/L	9500	BJ	1	YES	S2AVEM
Total MoCB	Derived	450000		pg/L	460000	J	1	YES	S2AVEM
Total DiCB	Derived	10000000		pg/L	10000000	J	1	YES	S2AVEM
Total TrCB	Derived	29000000	J	pg/L	29000000	J	1	YES	S2AVEM
Total TeCB	Derived	37000000	J	pg/L	37000000	J	1	YES	S2AVEM
Total PeCB	Derived	81000000		pg/L	81000000	J	1	YES	S2AVEM
Total HxCB	Derived	45000000	J	pg/L	45000000	J	1	YES	S2AVEM
Total HpCB	Derived	5900000	J	pg/L	5900000	J	1	YES	S2AVEM
Total OcCB	Derived	580000	J	pg/L	610000	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived	71000	J	pg/L	89000	J	1	YES	S2AVEM
Total PCB	Derived	210000000	J	pg/L	210000000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	3500		pg/L	3500		1	YES	S2AVEM
TEQ (Bird)	Derived	14000		pg/L	14000		1	YES	S2AVEM
TEQ (Fish)	Derived	270		pg/L	270		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q1	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW14S-3-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	300000		pg/L	300000		1	YES	S2AVEM
PCB-2	Target	20000	U	pg/L	10000	J	1	YES	S2AVEM
PCB-3	Target	58000		pg/L	58000		1	YES	S2AVEM
PCB-4	Target	2800000		pg/L	2800000		1	YES	S2AVEM
PCB-5	Target	24000		pg/L	24000		1	YES	S2AVEM
PCB-6	Target	420000		pg/L	420000		1	YES	S2AVEM
PCB-7	Target	35000		pg/L	35000		1	YES	S2AVEM
PCB-8	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-9	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-10	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-11	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-12/13	Target	41000	U	pg/L	25000	J	1	YES	S2AVEM
PCB-14	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-15	Target	350000		pg/L	350000		1	YES	S2AVEM
PCB-16	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-17	Target	710000		pg/L	710000		1	YES	S2AVEM
PCB-18/30	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-19	Target	450000		pg/L	450000		1	YES	S2AVEM
PCB-20/28	Target	620000		pg/L	620000		1	YES	S2AVEM
PCB-21/33	Target	570000		pg/L	570000		1	YES	S2AVEM
PCB-22	Target	290000		pg/L	290000		1	YES	S2AVEM
PCB-23	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-24	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-25	Target	62000		pg/L	62000		1	YES	S2AVEM
PCB-26/29	Target	160000		pg/L	160000		1	YES	S2AVEM
PCB-27	Target	130000		pg/L	130000		1	YES	S2AVEM
PCB-31	Target	680000		pg/L	680000		1	YES	S2AVEM
PCB-32	Target	380000		pg/L	380000		1	YES	S2AVEM
PCB-34	Target	2200	J	pg/L	2200	J	1	YES	S2AVEM
PCB-35	Target	20000	U	pg/L	4800	J	1	YES	S2AVEM
PCB-36	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-37	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-38	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-39	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-40/71	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-41	Target	25000		pg/L	25000		1	YES	S2AVEM
PCB-42	Target	63000		pg/L	63000		1	YES	S2AVEM
PCB-43	Target	19000	J	pg/L	19000	J	1	YES	S2AVEM
PCB-44/47/65	Target	440000		pg/L	440000		1	YES	S2AVEM
PCB-45/51	Target	87000		pg/L	87000		1	YES	S2AVEM
PCB-46	Target	34000		pg/L	34000		1	YES	S2AVEM
PCB-48	Target	48000		pg/L	48000		1	YES	S2AVEM
PCB-49/69	Target	200000		pg/L	200000		1	YES	S2AVEM
PCB-50/53	Target	81000		pg/L	81000		1	YES	S2AVEM
PCB-52	Target	830000		pg/L	830000		1	YES	S2AVEM
PCB-54	Target	20000	U	pg/L	2300	J	1	YES	S2AVEM
PCB-55	Target	3800	J	pg/L	3800	J	1	YES	S2AVEM
PCB-56	Target	66000		pg/L	66000		1	YES	S2AVEM
PCB-57	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-58	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-59/62/75	Target	61000	U	pg/L	22000	J	1	YES	S2AVEM
PCB-60	Target	31000		pg/L	31000		1	YES	S2AVEM
PCB-61/70/74/76	Target	410000		pg/L	410000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	4900	J	pg/L	4900	J	1	YES	S2AVEM
PCB-64	Target	130000		pg/L	130000		1	YES	S2AVEM
PCB-66	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-67	Target	20000	U	pg/L	3900	J	1	YES	S2AVEM
PCB-68	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-72	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-73	Target	6400	J	pg/L	6400	J	1	YES	S2AVEM
PCB-77	Target	20000	U	pg/L	6500	BJ	1	YES	S2AVEM
PCB-78	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-79	Target	4100	J	pg/L	4100	J	1	YES	S2AVEM
PCB-80	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-81	Target	2600	U	pg/L	2600	U	1	YES	S2AVEM
PCB-82	Target	40000		pg/L	40000		1	YES	S2AVEM
PCB-83	Target	20000	U	pg/L	19000	J	1	YES	S2AVEM
PCB-84	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-85/116/117	Target	61000	U	pg/L	53000	J	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	250000		pg/L	250000		1	YES	S2AVEM
PCB-88/91	Target	50000		pg/L	50000		1	YES	S2AVEM
PCB-89	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-90/101/113	Target	340000		pg/L	340000		1	YES	S2AVEM
PCB-92	Target	62000		pg/L	62000		1	YES	S2AVEM
PCB-93/100	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-94	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-95	Target	430000		pg/L	430000		1	YES	S2AVEM
PCB-96	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-98/102	Target	14000	J	pg/L	14000	J	1	YES	S2AVEM
PCB-99	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-103	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-104	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-105	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-106	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-107	Target	15000	J	pg/L	15000	J	1	YES	S2AVEM
PCB-108/124	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-110/115	Target	440000		pg/L	440000		1	YES	S2AVEM
PCB-111	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-112	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-114	Target	6700	J	pg/L	6700	J	1	YES	S2AVEM
PCB-118	Target	260000		pg/L	260000		1	YES	S2AVEM
PCB-120	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-121	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-122	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-123	Target	3400	U	pg/L	3400	U	1	YES	S2AVEM
PCB-126	Target	4000	U	pg/L	4000	U	1	YES	S2AVEM
PCB-127	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-128/166	Target	41000	U	pg/L	36000	J	1	YES	S2AVEM
PCB-129/138/163	Target	200000		pg/L	200000		1	YES	S2AVEM
PCB-130	Target	14000	J	pg/L	14000	J	1	YES	S2AVEM
PCB-131	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-132	Target	71000		pg/L	71000		1	YES	S2AVEM
PCB-133	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-134	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-135/151	Target	41000		pg/L	41000		1	YES	S2AVEM
PCB-136	Target	23000		pg/L	23000		1	YES	S2AVEM
PCB-137	Target	13000	J	pg/L	13000	J	1	YES	S2AVEM
PCB-139/140	Target	4000	J	pg/L	4000	J	1	YES	S2AVEM
PCB-141	Target	30000		pg/L	30000		1	YES	S2AVEM
PCB-142	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-143	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-144	Target	7300	J	pg/L	7300	J	1	YES	S2AVEM
PCB-145	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	20000	U	pg/L	18000	J	1	YES	S2AVEM
PCB-147/149	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-148	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-150	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-152	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-153/168	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-154	Target	1900	J	pg/L	1900	J	1	YES	S2AVEM
PCB-155	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-156/157	Target	41000	U	pg/L	31000	BJ	1	YES	S2AVEM
PCB-158	Target	21000		pg/L	21000		1	YES	S2AVEM
PCB-159	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-160	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-161	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-162	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-164	Target	12000	J	pg/L	12000	J	1	YES	S2AVEM
PCB-165	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-167	Target	20000	U	pg/L	8000	J	1	YES	S2AVEM
PCB-169	Target	3200	U	pg/L	3200	UM	1	YES	S2AVEM
PCB-170	Target	20000	U	pg/L	14000	J	1	YES	S2AVEM
PCB-171/173	Target	5400	J	pg/L	5400	J	1	YES	S2AVEM
PCB-172	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-174	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-175	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-176	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-177	Target	6000	J	pg/L	6000	J	1	YES	S2AVEM
PCB-178	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-179	Target	20000	U	pg/L	3800	J	1	YES	S2AVEM
PCB-180/193	Target	23000	J	pg/L	23000	J	1	YES	S2AVEM
PCB-181	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-182	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-183/185	Target	7400	J	pg/L	7400	J	1	YES	S2AVEM
PCB-184	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-186	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-187	Target	20000	U	pg/L	8600	J	1	YES	S2AVEM
PCB-188	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-189	Target	2000	U	pg/L	2000	U	1	YES	S2AVEM
PCB-190	Target	2800	J	pg/L	2800	J	1	YES	S2AVEM
PCB-191	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-192	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-194	Target	20000	U	pg/L	3200	J	1	YES	S2AVEM
PCB-195	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-196	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-197/200	Target	41000	U	pg/L	41000	U	1	YES	S2AVEM
PCB-198/199	Target	41000	U	pg/L	2000	J	1	YES	S2AVEM
PCB-201	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-202	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-203	Target	1600	J	pg/L	1600	J	1	YES	S2AVEM
PCB-204	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-205	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-206	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-207	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-208	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-209	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
Total MoCB	Derived	360000		pg/L	360000	J	1	YES	S2AVEM
Total DiCB	Derived	6200000		pg/L	6200000	J	1	YES	S2AVEM
Total TrCB	Derived	7200000	J	pg/L	7200000	J	1	YES	S2AVEM
Total TeCB	Derived	2700000	J	pg/L	2700000	J	1	YES	S2AVEM
Total PeCB	Derived	2300000	J	pg/L	2400000	J	1	YES	S2AVEM
Total HxCB	Derived	690000	J	pg/L	780000	J	1	YES	S2AVEM
Total HpCB	Derived	56000	J	pg/L	82000	J	1	YES	S2AVEM
Total OcCB	Derived	1600	J	pg/L	6800	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	20000000	J	pg/L	20000000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	11		pg/L	13		1	YES	S2AVEM
TEQ (Bird)	Derived	14		pg/L	340		1	YES	S2AVEM
TEQ (Fish)	Derived	1.9		pg/L	2.7		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q3	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: FD061219-1	pH: 8	Sample Date: 06/12/2019	Sample Time: 11:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	3000000		pg/L	3000000		1	YES	S2AVEM
PCB-2	Target	85000		pg/L	85000		1	YES	S2AVEM
PCB-3	Target	430000		pg/L	430000		1	YES	S2AVEM
PCB-4	Target	15000000		pg/L	15000000		1	YES	S2AVEM
PCB-5	Target	270000		pg/L	270000		1	YES	S2AVEM
PCB-6	Target	2800000		pg/L	2800000		1	YES	S2AVEM
PCB-7	Target	390000		pg/L	390000		1	YES	S2AVEM
PCB-8	Target	12000000		pg/L	12000000		1	YES	S2AVEM
PCB-9	Target	900000		pg/L	900000		1	YES	S2AVEM
PCB-10	Target	870000		pg/L	870000		1	YES	S2AVEM
PCB-11	Target	21000		pg/L	21000		1	YES	S2AVEM
PCB-12/13	Target	260000		pg/L	260000		1	YES	S2AVEM
PCB-14	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-15	Target	2400000		pg/L	2400000		1	YES	S2AVEM
PCB-16	Target	5000000		pg/L	5000000		1	YES	S2AVEM
PCB-17	Target	3800000		pg/L	3800000		1	YES	S2AVEM
PCB-18/30	Target	9900000		pg/L	9900000		1	YES	S2AVEM
PCB-19	Target	2100000		pg/L	2100000		1	YES	S2AVEM
PCB-20/28	Target	4400000		pg/L	4400000		1	YES	S2AVEM
PCB-21/33	Target	3400000		pg/L	3400000		1	YES	S2AVEM
PCB-22	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-23	Target	7000	J	pg/L	7000	J	1	YES	S2AVEM
PCB-24	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-25	Target	410000		pg/L	410000		1	YES	S2AVEM
PCB-26/29	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-27	Target	740000		pg/L	740000		1	YES	S2AVEM
PCB-31	Target	4500000		pg/L	4500000		1	YES	S2AVEM
PCB-32	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-34	Target	18000	J	pg/L	18000	J	1	YES	S2AVEM
PCB-35	Target	35000		pg/L	35000		1	YES	S2AVEM
PCB-36	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-37	Target	870000		pg/L	870000		1	YES	S2AVEM
PCB-38	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-39	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-40/71	Target	700000		pg/L	700000		1	YES	S2AVEM
PCB-41	Target	230000		pg/L	230000		1	YES	S2AVEM
PCB-42	Target	450000		pg/L	450000		1	YES	S2AVEM
PCB-43	Target	100000		pg/L	100000		1	YES	S2AVEM
PCB-44/47/65	Target	1600000		pg/L	1600000		1	YES	S2AVEM
PCB-45/51	Target	510000		pg/L	510000		1	YES	S2AVEM
PCB-46	Target	190000		pg/L	190000		1	YES	S2AVEM
PCB-48	Target	370000		pg/L	370000		1	YES	S2AVEM
PCB-49/69	Target	880000		pg/L	880000		1	YES	S2AVEM
PCB-50/53	Target	400000		pg/L	400000		1	YES	S2AVEM
PCB-52	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-54	Target	20000	U	pg/L	12000	J	1	YES	S2AVEM
PCB-55	Target	22000		pg/L	22000		1	YES	S2AVEM
PCB-56	Target	430000		pg/L	430000		1	YES	S2AVEM
PCB-57	Target	6200	J	pg/L	6200	J	1	YES	S2AVEM
PCB-58	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-59/62/75	Target	160000		pg/L	160000		1	YES	S2AVEM
PCB-60	Target	230000		pg/L	230000		1	YES	S2AVEM
PCB-61/70/74/76	Target	1500000		pg/L	1500000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	30000		pg/L	30000		1	YES	S2AVEM
PCB-64	Target	650000		pg/L	650000		1	YES	S2AVEM
PCB-66	Target	660000		pg/L	660000		1	YES	S2AVEM
PCB-67	Target	33000		pg/L	33000		1	YES	S2AVEM
PCB-68	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-72	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-73	Target	26000		pg/L	26000		1	YES	S2AVEM
PCB-77	Target	52000		pg/L	52000	B	1	YES	S2AVEM
PCB-78	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-79	Target	6800	J	pg/L	6800	J	1	YES	S2AVEM
PCB-80	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-81	Target	4100	U	pg/L	4100	U	1	YES	S2AVEM
PCB-82	Target	85000		pg/L	85000		1	YES	S2AVEM
PCB-83	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-84	Target	230000		pg/L	230000		1	YES	S2AVEM
PCB-85/116/117	Target	61000	U	pg/L	43000	J	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	410000		pg/L	410000		1	YES	S2AVEM
PCB-88/91	Target	91000		pg/L	91000		1	YES	S2AVEM
PCB-89	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-90/101/113	Target	560000		pg/L	560000		1	YES	S2AVEM
PCB-92	Target	100000		pg/L	100000		1	YES	S2AVEM
PCB-93/100	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-94	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-95	Target	670000		pg/L	670000		1	YES	S2AVEM
PCB-96	Target	7000	J	pg/L	7000	J	1	YES	S2AVEM
PCB-98/102	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-99	Target	180000		pg/L	180000		1	YES	S2AVEM
PCB-103	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-104	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-105	Target	170000		pg/L	170000		1	YES	S2AVEM
PCB-106	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-107	Target	23000		pg/L	23000		1	YES	S2AVEM
PCB-108/124	Target	18000	J	pg/L	18000	J	1	YES	S2AVEM
PCB-110/115	Target	800000		pg/L	800000		1	YES	S2AVEM
PCB-111	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-112	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-114	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-118	Target	400000		pg/L	400000		1	YES	S2AVEM
PCB-120	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-121	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-122	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-123	Target	4500	J	pg/L	4500	J	1	YES	S2AVEM
PCB-126	Target	3500	U	pg/L	3500	U	1	YES	S2AVEM
PCB-127	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-128/166	Target	49000		pg/L	49000		1	YES	S2AVEM
PCB-129/138/163	Target	280000		pg/L	280000		1	YES	S2AVEM
PCB-130	Target	20000		pg/L	20000		1	YES	S2AVEM
PCB-131	Target	6000	J	pg/L	6000	J	1	YES	S2AVEM
PCB-132	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-133	Target	2900	J	pg/L	2900	J	1	YES	S2AVEM
PCB-134	Target	19000	J	pg/L	19000	J	1	YES	S2AVEM
PCB-135/151	Target	63000		pg/L	63000		1	YES	S2AVEM
PCB-136	Target	34000		pg/L	34000		1	YES	S2AVEM
PCB-137	Target	17000	J	pg/L	17000	J	1	YES	S2AVEM
PCB-139/140	Target	6400	J	pg/L	6400	J	1	YES	S2AVEM
PCB-141	Target	42000		pg/L	42000		1	YES	S2AVEM
PCB-142	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-143	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-144	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-145	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	26000		pg/L	26000		1	YES	S2AVEM
PCB-147/149	Target	180000		pg/L	180000		1	YES	S2AVEM
PCB-148	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-150	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-152	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-153/168	Target	160000		pg/L	160000		1	YES	S2AVEM
PCB-154	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-155	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-156/157	Target	40000		pg/L	40000	B	1	YES	S2AVEM
PCB-158	Target	30000		pg/L	30000		1	YES	S2AVEM
PCB-159	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-160	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-161	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-162	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-164	Target	18000	J	pg/L	18000	J	1	YES	S2AVEM
PCB-165	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-167	Target	20000	U	pg/L	11000	J	1	YES	S2AVEM
PCB-169	Target	3200	U	pg/L	3200	UM	1	YES	S2AVEM
PCB-170	Target	22000		pg/L	22000		1	YES	S2AVEM
PCB-171/173	Target	6700	J	pg/L	6700	J	1	YES	S2AVEM
PCB-172	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-174	Target	18000	J	pg/L	18000	J	1	YES	S2AVEM
PCB-175	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-176	Target	2100	J	pg/L	2100	J	1	YES	S2AVEM
PCB-177	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-178	Target	2700	J	pg/L	2700	J	1	YES	S2AVEM
PCB-179	Target	20000	U	pg/L	5300	J	1	YES	S2AVEM
PCB-180/193	Target	36000	J	pg/L	36000	J	1	YES	S2AVEM
PCB-181	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-182	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-183/185	Target	12000	J	pg/L	12000	J	1	YES	S2AVEM
PCB-184	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-186	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-187	Target	20000	U	pg/L	12000	J	1	YES	S2AVEM
PCB-188	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-189	Target	1900	U	pg/L	1900	U	1	YES	S2AVEM
PCB-190	Target	3700	J	pg/L	3700	J	1	YES	S2AVEM
PCB-191	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-192	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-194	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-195	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-196	Target	1900	J	pg/L	1900	J	1	YES	S2AVEM
PCB-197/200	Target	40000	U	pg/L	40000	U	1	YES	S2AVEM
PCB-198/199	Target	3600	J	pg/L	3600	J	1	YES	S2AVEM
PCB-201	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-202	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-203	Target	2400	J	pg/L	2400	J	1	YES	S2AVEM
PCB-204	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-205	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-206	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-207	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-208	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-209	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
Total MoCB	Derived	3500000		pg/L	3500000	J	1	YES	S2AVEM
Total DiCB	Derived	35000000		pg/L	35000000	J	1	YES	S2AVEM
Total TrCB	Derived	40000000	J	pg/L	40000000	J	1	YES	S2AVEM
Total TeCB	Derived	11000000	J	pg/L	11000000	J	1	YES	S2AVEM
Total PeCB	Derived	3800000	J	pg/L	3800000	J	1	YES	S2AVEM
Total HxCB	Derived	1100000	J	pg/L	1100000	J	1	YES	S2AVEM
Total HpCB	Derived	110000	J	pg/L	130000	J	1	YES	S2AVEM
Total OcCB	Derived	7900	J	pg/L	7900	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	95000000	J	pg/L	95000000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	24		pg/L	24		1	YES	S2AVEM
TEQ (Bird)	Derived	2600		pg/L	2600		1	YES	S2AVEM
TEQ (Fish)	Derived	8.3		pg/L	8.4		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q4	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-1-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-2	Target	41000		pg/L	41000		1	YES	S2AVEM
PCB-3	Target	210000		pg/L	210000		1	YES	S2AVEM
PCB-4	Target	9200000		pg/L	9200000		1	YES	S2AVEM
PCB-5	Target	270000		pg/L	270000		1	YES	S2AVEM
PCB-6	Target	3000000		pg/L	3000000		1	YES	S2AVEM
PCB-7	Target	430000		pg/L	430000		1	YES	S2AVEM
PCB-8	Target	14000000		pg/L	14000000		1	YES	S2AVEM
PCB-9	Target	910000		pg/L	910000		1	YES	S2AVEM
PCB-10	Target	540000		pg/L	540000		1	YES	S2AVEM
PCB-11	Target	35000		pg/L	35000		1	YES	S2AVEM
PCB-12/13	Target	430000		pg/L	430000		1	YES	S2AVEM
PCB-14	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-15	Target	4200000		pg/L	4200000		1	YES	S2AVEM
PCB-16	Target	11000000		pg/L	11000000		1	YES	S2AVEM
PCB-17	Target	8700000		pg/L	8700000		1	YES	S2AVEM
PCB-18/30	Target	20000000		pg/L	20000000		1	YES	S2AVEM
PCB-19	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-20/28	Target	18000000		pg/L	18000000		1	YES	S2AVEM
PCB-21/33	Target	14000000		pg/L	14000000		1	YES	S2AVEM
PCB-22	Target	7100000		pg/L	7100000		1	YES	S2AVEM
PCB-23	Target	29000		pg/L	29000		1	YES	S2AVEM
PCB-24	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-25	Target	1500000		pg/L	1500000		1	YES	S2AVEM
PCB-26/29	Target	3500000		pg/L	3500000		1	YES	S2AVEM
PCB-27	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-31	Target	17000000		pg/L	17000000		1	YES	S2AVEM
PCB-32	Target	5000000		pg/L	5000000		1	YES	S2AVEM
PCB-34	Target	67000		pg/L	67000		1	YES	S2AVEM
PCB-35	Target	190000		pg/L	190000		1	YES	S2AVEM
PCB-36	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-37	Target	4800000		pg/L	4800000		1	YES	S2AVEM
PCB-38	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-39	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-40/71	Target	4700000		pg/L	4700000		1	YES	S2AVEM
PCB-41	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-42	Target	3200000		pg/L	3200000		1	YES	S2AVEM
PCB-43	Target	670000		pg/L	670000		1	YES	S2AVEM
PCB-44/47/65	Target	10000000		pg/L	10000000		1	YES	S2AVEM
PCB-45/51	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-46	Target	860000		pg/L	860000		1	YES	S2AVEM
PCB-48	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-49/69	Target	6300000		pg/L	6300000		1	YES	S2AVEM
PCB-50/53	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-52	Target	12000000		pg/L	12000000		1	YES	S2AVEM
PCB-54	Target	35000		pg/L	35000		1	YES	S2AVEM
PCB-55	Target	250000		pg/L	250000		1	YES	S2AVEM
PCB-56	Target	4300000		pg/L	4300000		1	YES	S2AVEM
PCB-57	Target	68000		pg/L	68000		1	YES	S2AVEM
PCB-58	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-59/62/75	Target	980000		pg/L	980000		1	YES	S2AVEM
PCB-60	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-61/70/74/76	Target	17000000		pg/L	17000000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	350000		pg/L	350000		1	YES	S2AVEM
PCB-64	Target	4600000		pg/L	4600000		1	YES	S2AVEM
PCB-66	Target	7500000		pg/L	7500000		1	YES	S2AVEM
PCB-67	Target	360000		pg/L	360000		1	YES	S2AVEM
PCB-68	Target	13000	J	pg/L	13000	J	1	YES	S2AVEM
PCB-72	Target	35000		pg/L	35000		1	YES	S2AVEM
PCB-73	Target	130000		pg/L	130000		1	YES	S2AVEM
PCB-77	Target	740000		pg/L	740000	B	1	YES	S2AVEM
PCB-78	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-79	Target	92000		pg/L	92000		1	YES	S2AVEM
PCB-80	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-81	Target	29000		pg/L	29000		1	YES	S2AVEM
PCB-82	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-83	Target	670000		pg/L	670000		1	YES	S2AVEM
PCB-84	Target	2700000		pg/L	2700000		1	YES	S2AVEM
PCB-85/116/117	Target	1500000		pg/L	1500000		1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	7000000		pg/L	7000000		1	YES	S2AVEM
PCB-88/91	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-89	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-90/101/113	Target	9100000		pg/L	9100000		1	YES	S2AVEM
PCB-92	Target	1600000		pg/L	1600000		1	YES	S2AVEM
PCB-93/100	Target	56000		pg/L	56000		1	YES	S2AVEM
PCB-94	Target	42000		pg/L	42000		1	YES	S2AVEM
PCB-95	Target	7400000		pg/L	7400000		1	YES	S2AVEM
PCB-96	Target	70000		pg/L	70000		1	YES	S2AVEM
PCB-98/102	Target	310000		pg/L	310000		1	YES	S2AVEM
PCB-99	Target	3400000		pg/L	3400000		1	YES	S2AVEM
PCB-103	Target	39000		pg/L	39000		1	YES	S2AVEM
PCB-104	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-105	Target	4000000		pg/L	4000000		1	YES	S2AVEM
PCB-106	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-107	Target	490000		pg/L	490000		1	YES	S2AVEM
PCB-108/124	Target	350000		pg/L	350000		1	YES	S2AVEM
PCB-110/115	Target	12000000		pg/L	12000000		1	YES	S2AVEM
PCB-111	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-112	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-114	Target	240000		pg/L	240000		1	YES	S2AVEM
PCB-118	Target	8900000		pg/L	8900000		1	YES	S2AVEM
PCB-120	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-121	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-122	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-123	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-126	Target	14000	J	pg/L	14000	J	1	YES	S2AVEM
PCB-127	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-128/166	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-129/138/163	Target	7900000		pg/L	7900000		1	YES	S2AVEM
PCB-130	Target	500000		pg/L	500000		1	YES	S2AVEM
PCB-131	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-132	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-133	Target	76000		pg/L	76000		1	YES	S2AVEM
PCB-134	Target	410000		pg/L	410000		1	YES	S2AVEM
PCB-135/151	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-136	Target	720000		pg/L	720000		1	YES	S2AVEM
PCB-137	Target	500000		pg/L	500000		1	YES	S2AVEM
PCB-139/140	Target	150000		pg/L	150000		1	YES	S2AVEM
PCB-141	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-142	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-143	Target	23000		pg/L	23000		1	YES	S2AVEM
PCB-144	Target	260000		pg/L	260000		1	YES	S2AVEM
PCB-145	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	680000		pg/L	680000		1	YES	S2AVEM
PCB-147/149	Target	4200000		pg/L	4200000		1	YES	S2AVEM
PCB-148	Target	4100	J	pg/L	4100	J	1	YES	S2AVEM
PCB-150	Target	5000	J	pg/L	5000	J	1	YES	S2AVEM
PCB-152	Target	6300	J	pg/L	6300	J	1	YES	S2AVEM
PCB-153/168	Target	4600000		pg/L	4600000		1	YES	S2AVEM
PCB-154	Target	38000		pg/L	38000		1	YES	S2AVEM
PCB-155	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-156/157	Target	1200000		pg/L	1200000	B	1	YES	S2AVEM
PCB-158	Target	850000		pg/L	850000		1	YES	S2AVEM
PCB-159	Target	20000	J	pg/L	20000	J	1	YES	S2AVEM
PCB-160	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-161	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-162	Target	29000		pg/L	29000		1	YES	S2AVEM
PCB-164	Target	450000		pg/L	450000		1	YES	S2AVEM
PCB-165	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-167	Target	340000		pg/L	340000		1	YES	S2AVEM
PCB-169	Target	3300	U	pg/L	3300	UM	1	YES	S2AVEM
PCB-170	Target	750000		pg/L	750000		1	YES	S2AVEM
PCB-171/173	Target	240000		pg/L	240000		1	YES	S2AVEM
PCB-172	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-174	Target	560000		pg/L	560000		1	YES	S2AVEM
PCB-175	Target	24000		pg/L	24000		1	YES	S2AVEM
PCB-176	Target	70000		pg/L	70000		1	YES	S2AVEM
PCB-177	Target	320000		pg/L	320000		1	YES	S2AVEM
PCB-178	Target	81000		pg/L	81000		1	YES	S2AVEM
PCB-179	Target	170000		pg/L	170000		1	YES	S2AVEM
PCB-180/193	Target	1200000		pg/L	1200000		1	YES	S2AVEM
PCB-181	Target	17000	J	pg/L	17000	J	1	YES	S2AVEM
PCB-182	Target	4600	J	pg/L	4600	J	1	YES	S2AVEM
PCB-183/185	Target	360000		pg/L	360000		1	YES	S2AVEM
PCB-184	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-186	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-187	Target	440000		pg/L	440000		1	YES	S2AVEM
PCB-188	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-189	Target	34000		pg/L	34000		1	YES	S2AVEM
PCB-190	Target	130000		pg/L	130000		1	YES	S2AVEM
PCB-191	Target	27000		pg/L	27000		1	YES	S2AVEM
PCB-192	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-194	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-195	Target	46000		pg/L	46000		1	YES	S2AVEM
PCB-196	Target	60000		pg/L	60000		1	YES	S2AVEM
PCB-197/200	Target	42000	U	pg/L	20000	BJ	1	YES	S2AVEM
PCB-198/199	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-201	Target	15000	J	pg/L	15000	J	1	YES	S2AVEM
PCB-202	Target	24000		pg/L	24000		1	YES	S2AVEM
PCB-203	Target	72000		pg/L	72000		1	YES	S2AVEM
PCB-204	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-205	Target	21000	U	pg/L	5300	J	1	YES	S2AVEM
PCB-206	Target	45000		pg/L	45000		1	YES	S2AVEM
PCB-207	Target	6000	J	pg/L	6000	J	1	YES	S2AVEM
PCB-208	Target	21000	U	pg/L	15000	BJ	1	YES	S2AVEM
PCB-209	Target	21000	U	pg/L	8500	BJ	1	YES	S2AVEM
Total MoCB	Derived	1300000		pg/L	1300000	J	1	YES	S2AVEM
Total DiCB	Derived	33000000		pg/L	33000000	J	1	YES	S2AVEM
Total TrCB	Derived	110000000		pg/L	110000000	J	1	YES	S2AVEM
Total TeCB	Derived	85000000	J	pg/L	85000000	J	1	YES	S2AVEM
Total PeCB	Derived	62000000	J	pg/L	62000000	J	1	YES	S2AVEM
Total HxCB	Derived	30000000	J	pg/L	30000000	J	1	YES	S2AVEM
Total HpCB	Derived	4500000	J	pg/L	4500000	J	1	YES	S2AVEM
Total OcCB	Derived	460000	J	pg/L	480000	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived	51000	J	pg/L	66000	J	1	YES	S2AVEM
Total PCB	Derived	330000000	J	pg/L	330000000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	1900		pg/L	1900		1	YES	S2AVEM
TEQ (Bird)	Derived	42000		pg/L	42000		1	YES	S2AVEM
TEQ (Fish)	Derived	230		pg/L	230		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q5	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-2-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-2	Target	71000		pg/L	71000		1	YES	S2AVEM
PCB-3	Target	360000		pg/L	360000		1	YES	S2AVEM
PCB-4	Target	12000000		pg/L	12000000		1	YES	S2AVEM
PCB-5	Target	230000		pg/L	230000		1	YES	S2AVEM
PCB-6	Target	2400000		pg/L	2400000		1	YES	S2AVEM
PCB-7	Target	340000		pg/L	340000		1	YES	S2AVEM
PCB-8	Target	11000000		pg/L	11000000		1	YES	S2AVEM
PCB-9	Target	770000		pg/L	770000		1	YES	S2AVEM
PCB-10	Target	730000		pg/L	730000		1	YES	S2AVEM
PCB-11	Target	21000	U	pg/L	18000	J	1	YES	S2AVEM
PCB-12/13	Target	230000		pg/L	230000		1	YES	S2AVEM
PCB-14	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-15	Target	2100000		pg/L	2100000		1	YES	S2AVEM
PCB-16	Target	5200000		pg/L	5200000		1	YES	S2AVEM
PCB-17	Target	3700000		pg/L	3700000		1	YES	S2AVEM
PCB-18/30	Target	9500000		pg/L	9500000		1	YES	S2AVEM
PCB-19	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-20/28	Target	4300000		pg/L	4300000		1	YES	S2AVEM
PCB-21/33	Target	3500000		pg/L	3500000		1	YES	S2AVEM
PCB-22	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-23	Target	8800	J	pg/L	8800	J	1	YES	S2AVEM
PCB-24	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-25	Target	410000		pg/L	410000		1	YES	S2AVEM
PCB-26/29	Target	980000		pg/L	980000		1	YES	S2AVEM
PCB-27	Target	680000		pg/L	680000		1	YES	S2AVEM
PCB-31	Target	4500000		pg/L	4500000		1	YES	S2AVEM
PCB-32	Target	2100000		pg/L	2100000		1	YES	S2AVEM
PCB-34	Target	18000	J	pg/L	18000	J	1	YES	S2AVEM
PCB-35	Target	36000		pg/L	36000		1	YES	S2AVEM
PCB-36	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-37	Target	910000		pg/L	910000		1	YES	S2AVEM
PCB-38	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-39	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-40/71	Target	780000		pg/L	780000		1	YES	S2AVEM
PCB-41	Target	270000		pg/L	270000		1	YES	S2AVEM
PCB-42	Target	500000		pg/L	500000		1	YES	S2AVEM
PCB-43	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-44/47/65	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-45/51	Target	620000		pg/L	620000		1	YES	S2AVEM
PCB-46	Target	220000		pg/L	220000		1	YES	S2AVEM
PCB-48	Target	410000		pg/L	410000		1	YES	S2AVEM
PCB-49/69	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-50/53	Target	470000		pg/L	470000		1	YES	S2AVEM
PCB-52	Target	2200000		pg/L	2200000		1	YES	S2AVEM
PCB-54	Target	21000	U	pg/L	11000	J	1	YES	S2AVEM
PCB-55	Target	31000		pg/L	31000		1	YES	S2AVEM
PCB-56	Target	510000		pg/L	510000		1	YES	S2AVEM
PCB-57	Target	6000	J	pg/L	6000	J	1	YES	S2AVEM
PCB-58	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-59/62/75	Target	170000		pg/L	170000		1	YES	S2AVEM
PCB-60	Target	290000		pg/L	290000		1	YES	S2AVEM
PCB-61/70/74/76	Target	1900000		pg/L	1900000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	38000		pg/L	38000		1	YES	S2AVEM
PCB-64	Target	710000		pg/L	710000		1	YES	S2AVEM
PCB-66	Target	800000		pg/L	800000		1	YES	S2AVEM
PCB-67	Target	39000		pg/L	39000		1	YES	S2AVEM
PCB-68	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-72	Target	3700	J	pg/L	3700	J	1	YES	S2AVEM
PCB-73	Target	27000		pg/L	27000		1	YES	S2AVEM
PCB-77	Target	73000		pg/L	73000	B	1	YES	S2AVEM
PCB-78	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-79	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-80	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-81	Target	3100	J	pg/L	3100	J	1	YES	S2AVEM
PCB-82	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-83	Target	60000		pg/L	60000		1	YES	S2AVEM
PCB-84	Target	300000		pg/L	300000		1	YES	S2AVEM
PCB-85/116/117	Target	150000		pg/L	150000		1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-88/91	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-89	Target	14000	J	pg/L	14000	J	1	YES	S2AVEM
PCB-90/101/113	Target	780000		pg/L	780000		1	YES	S2AVEM
PCB-92	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-93/100	Target	42000	U	pg/L	42000	U	1	YES	S2AVEM
PCB-94	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-95	Target	850000		pg/L	850000		1	YES	S2AVEM
PCB-96	Target	9200	J	pg/L	9200	J	1	YES	S2AVEM
PCB-98/102	Target	31000	J	pg/L	31000	J	1	YES	S2AVEM
PCB-99	Target	270000		pg/L	270000		1	YES	S2AVEM
PCB-103	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-104	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-105	Target	300000		pg/L	300000		1	YES	S2AVEM
PCB-106	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-107	Target	37000		pg/L	37000		1	YES	S2AVEM
PCB-108/124	Target	26000	J	pg/L	26000	J	1	YES	S2AVEM
PCB-110/115	Target	1000000		pg/L	1000000		1	YES	S2AVEM
PCB-111	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-112	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-114	Target	18000	J	pg/L	18000	J	1	YES	S2AVEM
PCB-118	Target	660000		pg/L	660000		1	YES	S2AVEM
PCB-120	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-121	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-122	Target	9800	J	pg/L	9800	J	1	YES	S2AVEM
PCB-123	Target	8100	J	pg/L	8100	J	1	YES	S2AVEM
PCB-126	Target	4900	U	pg/L	4900	U	1	YES	S2AVEM
PCB-127	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-128/166	Target	97000		pg/L	97000		1	YES	S2AVEM
PCB-129/138/163	Target	530000		pg/L	530000		1	YES	S2AVEM
PCB-130	Target	35000		pg/L	35000		1	YES	S2AVEM
PCB-131	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-132	Target	190000		pg/L	190000		1	YES	S2AVEM
PCB-133	Target	6100	J	pg/L	6100	J	1	YES	S2AVEM
PCB-134	Target	28000		pg/L	28000		1	YES	S2AVEM
PCB-135/151	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-136	Target	58000		pg/L	58000		1	YES	S2AVEM
PCB-137	Target	31000		pg/L	31000		1	YES	S2AVEM
PCB-139/140	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-141	Target	78000		pg/L	78000		1	YES	S2AVEM
PCB-142	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-143	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-144	Target	19000	J	pg/L	19000	J	1	YES	S2AVEM
PCB-145	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	47000		pg/L	47000		1	YES	S2AVEM
PCB-147/149	Target	300000		pg/L	300000		1	YES	S2AVEM
PCB-148	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-150	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-152	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-153/168	Target	300000		pg/L	300000		1	YES	S2AVEM
PCB-154	Target	2800	J	pg/L	2800	J	1	YES	S2AVEM
PCB-155	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-156/157	Target	81000		pg/L	81000	B	1	YES	S2AVEM
PCB-158	Target	57000		pg/L	57000		1	YES	S2AVEM
PCB-159	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-160	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-161	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-162	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-164	Target	34000		pg/L	34000		1	YES	S2AVEM
PCB-165	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-167	Target	22000		pg/L	22000		1	YES	S2AVEM
PCB-169	Target	3300	U	pg/L	3300	UM	1	YES	S2AVEM
PCB-170	Target	44000		pg/L	44000		1	YES	S2AVEM
PCB-171/173	Target	14000	J	pg/L	14000	J	1	YES	S2AVEM
PCB-172	Target	6900	J	pg/L	6900	J	1	YES	S2AVEM
PCB-174	Target	36000		pg/L	36000		1	YES	S2AVEM
PCB-175	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-176	Target	5200	J	pg/L	5200	J	1	YES	S2AVEM
PCB-177	Target	19000	J	pg/L	19000	J	1	YES	S2AVEM
PCB-178	Target	5600	J	pg/L	5600	J	1	YES	S2AVEM
PCB-179	Target	21000	U	pg/L	12000	J	1	YES	S2AVEM
PCB-180/193	Target	68000		pg/L	68000		1	YES	S2AVEM
PCB-181	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-182	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-183/185	Target	23000	J	pg/L	23000	J	1	YES	S2AVEM
PCB-184	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-186	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-187	Target	28000		pg/L	28000		1	YES	S2AVEM
PCB-188	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-189	Target	2900	J	pg/L	2900	J	1	YES	S2AVEM
PCB-190	Target	8600	J	pg/L	8600	J	1	YES	S2AVEM
PCB-191	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-192	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-194	Target	21000	U	pg/L	7800	J	1	YES	S2AVEM
PCB-195	Target	3400	J	pg/L	3400	J	1	YES	S2AVEM
PCB-196	Target	3200	J	pg/L	3200	J	1	YES	S2AVEM
PCB-197/200	Target	42000	U	pg/L	1600	BJ	1	YES	S2AVEM
PCB-198/199	Target	42000	U	pg/L	7700	J	1	YES	S2AVEM
PCB-201	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-202	Target	1800	J	pg/L	1800	J	1	YES	S2AVEM
PCB-203	Target	4600	J	pg/L	4600	J	1	YES	S2AVEM
PCB-204	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-205	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-206	Target	3500	J	pg/L	3500	J	1	YES	S2AVEM
PCB-207	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-208	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
PCB-209	Target	21000	U	pg/L	21000	U	1	YES	S2AVEM
Total MoCB	Derived	2800000		pg/L	2800000	J	1	YES	S2AVEM
Total DiCB	Derived	30000000		pg/L	30000000	J	1	YES	S2AVEM
Total TrCB	Derived	40000000	J	pg/L	40000000	J	1	YES	S2AVEM
Total TeCB	Derived	13000000	J	pg/L	13000000	J	1	YES	S2AVEM
Total PeCB	Derived	5500000	J	pg/L	5500000	J	1	YES	S2AVEM
Total HxCB	Derived	2000000	J	pg/L	2000000	J	1	YES	S2AVEM
Total HpCB	Derived	260000	J	pg/L	270000	J	1	YES	S2AVEM
Total OcCB	Derived	13000	J	pg/L	30000	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived	3500	J	pg/L	3500	J	1	YES	S2AVEM
Total PCB	Derived	93000000	J	pg/L	93000000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	41		pg/L	41		1	YES	S2AVEM
TEQ (Bird)	Derived	4000		pg/L	4000		1	YES	S2AVEM
TEQ (Fish)	Derived	14		pg/L	14		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q6	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-3-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	2100000		pg/L	2100000		1	YES	S2AVEM
PCB-2	Target	66000		pg/L	66000		1	YES	S2AVEM
PCB-3	Target	280000		pg/L	280000		1	YES	S2AVEM
PCB-4	Target	13000000		pg/L	13000000		1	YES	S2AVEM
PCB-5	Target	210000		pg/L	210000		1	YES	S2AVEM
PCB-6	Target	2800000		pg/L	2800000		1	YES	S2AVEM
PCB-7	Target	350000		pg/L	350000		1	YES	S2AVEM
PCB-8	Target	11000000		pg/L	11000000		1	YES	S2AVEM
PCB-9	Target	870000		pg/L	870000		1	YES	S2AVEM
PCB-10	Target	810000		pg/L	810000		1	YES	S2AVEM
PCB-11	Target	21000		pg/L	21000		1	YES	S2AVEM
PCB-12/13	Target	260000		pg/L	260000		1	YES	S2AVEM
PCB-14	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-15	Target	2500000		pg/L	2500000		1	YES	S2AVEM
PCB-16	Target	6800000		pg/L	6800000		1	YES	S2AVEM
PCB-17	Target	4800000		pg/L	4800000		1	YES	S2AVEM
PCB-18/30	Target	12000000		pg/L	12000000		1	YES	S2AVEM
PCB-19	Target	2300000		pg/L	2300000		1	YES	S2AVEM
PCB-20/28	Target	6200000		pg/L	6200000		1	YES	S2AVEM
PCB-21/33	Target	5100000		pg/L	5100000		1	YES	S2AVEM
PCB-22	Target	2700000		pg/L	2700000		1	YES	S2AVEM
PCB-23	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-24	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-25	Target	570000		pg/L	570000		1	YES	S2AVEM
PCB-26/29	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-27	Target	840000		pg/L	840000		1	YES	S2AVEM
PCB-31	Target	6300000		pg/L	6300000		1	YES	S2AVEM
PCB-32	Target	2700000		pg/L	2700000		1	YES	S2AVEM
PCB-34	Target	27000		pg/L	27000		1	YES	S2AVEM
PCB-35	Target	59000		pg/L	59000		1	YES	S2AVEM
PCB-36	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-37	Target	1500000		pg/L	1500000		1	YES	S2AVEM
PCB-38	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-39	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-40/71	Target	1400000		pg/L	1400000		1	YES	S2AVEM
PCB-41	Target	510000		pg/L	510000		1	YES	S2AVEM
PCB-42	Target	910000		pg/L	910000		1	YES	S2AVEM
PCB-43	Target	220000		pg/L	220000		1	YES	S2AVEM
PCB-44/47/65	Target	3200000		pg/L	3200000		1	YES	S2AVEM
PCB-45/51	Target	960000		pg/L	960000		1	YES	S2AVEM
PCB-46	Target	340000		pg/L	340000		1	YES	S2AVEM
PCB-48	Target	730000		pg/L	730000		1	YES	S2AVEM
PCB-49/69	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-50/53	Target	700000		pg/L	700000		1	YES	S2AVEM
PCB-52	Target	3700000		pg/L	3700000		1	YES	S2AVEM
PCB-54	Target	20000	U	pg/L	17000	J	1	YES	S2AVEM
PCB-55	Target	58000		pg/L	58000		1	YES	S2AVEM
PCB-56	Target	1100000		pg/L	1100000		1	YES	S2AVEM
PCB-57	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-58	Target	4700	J	pg/L	4700	J	1	YES	S2AVEM
PCB-59/62/75	Target	300000		pg/L	300000		1	YES	S2AVEM
PCB-60	Target	610000		pg/L	610000		1	YES	S2AVEM
PCB-61/70/74/76	Target	3900000		pg/L	3900000	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	75000		pg/L	75000		1	YES	S2AVEM
PCB-64	Target	1300000		pg/L	1300000		1	YES	S2AVEM
PCB-66	Target	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-67	Target	80000		pg/L	80000		1	YES	S2AVEM
PCB-68	Target	4000	J	pg/L	4000	J	1	YES	S2AVEM
PCB-72	Target	8600	J	pg/L	8600	J	1	YES	S2AVEM
PCB-73	Target	42000		pg/L	42000		1	YES	S2AVEM
PCB-77	Target	170000		pg/L	170000	B	1	YES	S2AVEM
PCB-78	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-79	Target	23000		pg/L	23000		1	YES	S2AVEM
PCB-80	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-81	Target	7900	J	pg/L	7900	J	1	YES	S2AVEM
PCB-82	Target	290000		pg/L	290000		1	YES	S2AVEM
PCB-83	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-84	Target	690000		pg/L	690000		1	YES	S2AVEM
PCB-85/116/117	Target	350000		pg/L	350000		1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	1600000		pg/L	1600000		1	YES	S2AVEM
PCB-88/91	Target	290000		pg/L	290000		1	YES	S2AVEM
PCB-89	Target	32000		pg/L	32000		1	YES	S2AVEM
PCB-90/101/113	Target	2000000		pg/L	2000000		1	YES	S2AVEM
PCB-92	Target	350000		pg/L	350000		1	YES	S2AVEM
PCB-93/100	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-94	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-95	Target	1900000		pg/L	1900000		1	YES	S2AVEM
PCB-96	Target	20000		pg/L	20000		1	YES	S2AVEM
PCB-98/102	Target	72000		pg/L	72000		1	YES	S2AVEM
PCB-99	Target	750000		pg/L	750000		1	YES	S2AVEM
PCB-103	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-104	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-105	Target	850000		pg/L	850000		1	YES	S2AVEM
PCB-106	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-107	Target	100000		pg/L	100000		1	YES	S2AVEM
PCB-108/124	Target	72000		pg/L	72000		1	YES	S2AVEM
PCB-110/115	Target	2600000		pg/L	2600000		1	YES	S2AVEM
PCB-111	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-112	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-114	Target	46000		pg/L	46000		1	YES	S2AVEM
PCB-118	Target	1800000		pg/L	1800000		1	YES	S2AVEM
PCB-120	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-121	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-122	Target	21000		pg/L	21000		1	YES	S2AVEM
PCB-123	Target	25000		pg/L	25000		1	YES	S2AVEM
PCB-126	Target	5300	U	pg/L	5300	U	1	YES	S2AVEM
PCB-127	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-128/166	Target	310000		pg/L	310000		1	YES	S2AVEM
PCB-129/138/163	Target	1700000		pg/L	1700000		1	YES	S2AVEM
PCB-130	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-131	Target	31000		pg/L	31000		1	YES	S2AVEM
PCB-132	Target	570000		pg/L	570000		1	YES	S2AVEM
PCB-133	Target	17000	J	pg/L	17000	J	1	YES	S2AVEM
PCB-134	Target	94000		pg/L	94000		1	YES	S2AVEM
PCB-135/151	Target	310000		pg/L	310000		1	YES	S2AVEM
PCB-136	Target	160000		pg/L	160000		1	YES	S2AVEM
PCB-137	Target	110000		pg/L	110000		1	YES	S2AVEM
PCB-139/140	Target	30000	J	pg/L	30000	J	1	YES	S2AVEM
PCB-141	Target	250000		pg/L	250000		1	YES	S2AVEM
PCB-142	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-143	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-144	Target	54000		pg/L	54000		1	YES	S2AVEM
PCB-145	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	140000		pg/L	140000		1	YES	S2AVEM
PCB-147/149	Target	900000		pg/L	900000		1	YES	S2AVEM
PCB-148	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-150	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-152	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-153/168	Target	940000		pg/L	940000		1	YES	S2AVEM
PCB-154	Target	7700	J	pg/L	7700	J	1	YES	S2AVEM
PCB-155	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-156/157	Target	260000		pg/L	260000	B	1	YES	S2AVEM
PCB-158	Target	180000		pg/L	180000		1	YES	S2AVEM
PCB-159	Target	3800	J	pg/L	3800	J	1	YES	S2AVEM
PCB-160	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-161	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-162	Target	6200	J	pg/L	6200	J	1	YES	S2AVEM
PCB-164	Target	100000		pg/L	100000		1	YES	S2AVEM
PCB-165	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-167	Target	70000		pg/L	70000		1	YES	S2AVEM
PCB-169	Target	3200	U	pg/L	3200	UM	1	YES	S2AVEM
PCB-170	Target	160000		pg/L	160000		1	YES	S2AVEM
PCB-171/173	Target	53000		pg/L	53000		1	YES	S2AVEM
PCB-172	Target	23000		pg/L	23000		1	YES	S2AVEM
PCB-174	Target	120000		pg/L	120000		1	YES	S2AVEM
PCB-175	Target	5900	J	pg/L	5900	J	1	YES	S2AVEM
PCB-176	Target	15000	J	pg/L	15000	J	1	YES	S2AVEM
PCB-177	Target	70000		pg/L	70000		1	YES	S2AVEM
PCB-178	Target	17000	J	pg/L	17000	J	1	YES	S2AVEM
PCB-179	Target	38000		pg/L	38000		1	YES	S2AVEM
PCB-180/193	Target	240000		pg/L	240000		1	YES	S2AVEM
PCB-181	Target	4000	J	pg/L	4000	J	1	YES	S2AVEM
PCB-182	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-183/185	Target	76000		pg/L	76000		1	YES	S2AVEM
PCB-184	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-186	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-187	Target	94000		pg/L	94000		1	YES	S2AVEM
PCB-188	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-189	Target	7100	J	pg/L	7100	J	1	YES	S2AVEM
PCB-190	Target	28000		pg/L	28000		1	YES	S2AVEM
PCB-191	Target	5800	J	pg/L	5800	J	1	YES	S2AVEM
PCB-192	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-194	Target	28000		pg/L	28000		1	YES	S2AVEM
PCB-195	Target	11000	J	pg/L	11000	J	1	YES	S2AVEM
PCB-196	Target	13000	J	pg/L	13000	J	1	YES	S2AVEM
PCB-197/200	Target	40000	U	pg/L	4700	BJ	1	YES	S2AVEM
PCB-198/199	Target	40000	U	pg/L	26000	J	1	YES	S2AVEM
PCB-201	Target	3100	J	pg/L	3100	J	1	YES	S2AVEM
PCB-202	Target	5400	J	pg/L	5400	J	1	YES	S2AVEM
PCB-203	Target	16000	J	pg/L	16000	J	1	YES	S2AVEM
PCB-204	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-205	Target	20000	U	pg/L	1800	J	1	YES	S2AVEM
PCB-206	Target	9800	J	pg/L	9800	J	1	YES	S2AVEM
PCB-207	Target	20000	U	pg/L	20000	U	1	YES	S2AVEM
PCB-208	Target	20000	U	pg/L	3500	BJ	1	YES	S2AVEM
PCB-209	Target	20000	U	pg/L	2100	BJ	1	YES	S2AVEM
Total MoCB	Derived	2400000		pg/L	2400000	J	1	YES	S2AVEM
Total DiCB	Derived	32000000		pg/L	32000000	J	1	YES	S2AVEM
Total TrCB	Derived	53000000	J	pg/L	53000000	J	1	YES	S2AVEM
Total TeCB	Derived	24000000	J	pg/L	24000000	J	1	YES	S2AVEM
Total PeCB	Derived	14000000	J	pg/L	14000000	J	1	YES	S2AVEM
Total HxCB	Derived	6300000	J	pg/L	6300000	J	1	YES	S2AVEM
Total HpCB	Derived	960000	J	pg/L	960000	J	1	YES	S2AVEM
Total OcCB	Derived	76000	J	pg/L	110000	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived	9800	J	pg/L	13000	J	1	YES	S2AVEM
Total PCB	Derived	130000000	J	pg/L	130000000	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	110		pg/L	110		1	YES	S2AVEM
TEQ (Bird)	Derived	9200		pg/L	9200		1	YES	S2AVEM
TEQ (Fish)	Derived	36		pg/L	36		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5R1	Method: CB Congeners	Matrix: Water	MA Number:
Sample Location: FB061219	pH: 9	Sample Date: 06/12/2019	Sample Time: 14:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-1	Target	39		pg/L	39	B	1	YES	S2AVEM
PCB-2	Target	3.5	J	pg/L	3.5	BJ	1	YES	S2AVEM
PCB-3	Target	11	J	pg/L	11	BJ	1	YES	S2AVEM
PCB-4	Target	150		pg/L	150	B	1	YES	S2AVEM
PCB-5	Target	5.2	J	pg/L	5.2	J	1	YES	S2AVEM
PCB-6	Target	49		pg/L	49		1	YES	S2AVEM
PCB-7	Target	8.5	J	pg/L	8.5	J	1	YES	S2AVEM
PCB-8	Target	210		pg/L	210		1	YES	S2AVEM
PCB-9	Target	17	J	pg/L	17	J	1	YES	S2AVEM
PCB-10	Target	7.7	J	pg/L	7.7	J	1	YES	S2AVEM
PCB-11	Target	36		pg/L	36	B	1	YES	S2AVEM
PCB-12/13	Target	11	J	pg/L	11	J	1	YES	S2AVEM
PCB-14	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-15	Target	94		pg/L	94		1	YES	S2AVEM
PCB-16	Target	60		pg/L	60	B	1	YES	S2AVEM
PCB-17	Target	57		pg/L	57	B	1	YES	S2AVEM
PCB-18/30	Target	120		pg/L	120	B	1	YES	S2AVEM
PCB-19	Target	16	J	pg/L	16	BJ	1	YES	S2AVEM
PCB-20/28	Target	160		pg/L	160	B	1	YES	S2AVEM
PCB-21/33	Target	98		pg/L	98	B	1	YES	S2AVEM
PCB-22	Target	55		pg/L	55	B	1	YES	S2AVEM
PCB-23	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-24	Target	2.6	J	pg/L	2.6	J	1	YES	S2AVEM
PCB-25	Target	13	J	pg/L	13	J	1	YES	S2AVEM
PCB-26/29	Target	27	J	pg/L	27	BJ	1	YES	S2AVEM
PCB-27	Target	8.9	J	pg/L	8.9	J	1	YES	S2AVEM
PCB-31	Target	140		pg/L	140	B	1	YES	S2AVEM
PCB-32	Target	33		pg/L	33	B	1	YES	S2AVEM
PCB-34	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-35	Target	2.3	J	pg/L	2.3	J	1	YES	S2AVEM
PCB-36	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-37	Target	48		pg/L	48	B	1	YES	S2AVEM
PCB-38	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-39	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-40/71	Target	17	J	pg/L	17	J	1	YES	S2AVEM
PCB-41	Target	6.8	J	pg/L	6.8	J	1	YES	S2AVEM
PCB-42	Target	12	J	pg/L	12	J	1	YES	S2AVEM
PCB-43	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-44/47/65	Target	47	J	pg/L	47	BJ	1	YES	S2AVEM
PCB-45/51	Target	9.6	J	pg/L	9.6	BJ	1	YES	S2AVEM
PCB-46	Target	3.0	J	pg/L	3.0	J	1	YES	S2AVEM
PCB-48	Target	11	J	pg/L	11	J	1	YES	S2AVEM
PCB-49/69	Target	29	J	pg/L	29	BJ	1	YES	S2AVEM
PCB-50/53	Target	7.0	J	pg/L	7.0	BJ	1	YES	S2AVEM
PCB-52	Target	65		pg/L	65	B	1	YES	S2AVEM
PCB-54	Target	1.1	J	pg/L	1.1	J	1	YES	S2AVEM
PCB-55	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-56	Target	22		pg/L	22	B	1	YES	S2AVEM
PCB-57	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-58	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-59/62/75	Target	5.4	J	pg/L	5.4	J	1	YES	S2AVEM
PCB-60	Target	14	J	pg/L	14	BJ	1	YES	S2AVEM
PCB-61/70/74/76	Target	99		pg/L	99	B	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-63	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-64	Target	19	J	pg/L	19	J	1	YES	S2AVEM
PCB-66	Target	43		pg/L	43	B	1	YES	S2AVEM
PCB-67	Target	2.6	J	pg/L	2.6	J	1	YES	S2AVEM
PCB-68	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-72	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-73	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-77	Target	5.6	J	pg/L	5.6	BJ	1	YES	S2AVEM
PCB-78	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-79	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-80	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-81	Target	2.6	U	pg/L	2.6	U	1	YES	S2AVEM
PCB-82	Target	5.6	J	pg/L	5.6	J	1	YES	S2AVEM
PCB-83	Target	4.5	J	pg/L	4.5	J	1	YES	S2AVEM
PCB-84	Target	11	J	pg/L	11	J	1	YES	S2AVEM
PCB-85/116/117	Target	11	J	pg/L	11	BJ	1	YES	S2AVEM
PCB-86/87/97/109/119/125	Target	34	J	pg/L	34	BJ	1	YES	S2AVEM
PCB-88/91	Target	6.4	J	pg/L	6.4	J	1	YES	S2AVEM
PCB-89	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-90/101/113	Target	48	J	pg/L	48	BJ	1	YES	S2AVEM
PCB-92	Target	8.6	J	pg/L	8.6	J	1	YES	S2AVEM
PCB-93/100	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-94	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-95	Target	32		pg/L	32	B	1	YES	S2AVEM
PCB-96	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-98/102	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-99	Target	19	J	pg/L	19	BJ	1	YES	S2AVEM
PCB-103	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-104	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-105	Target	19	J	pg/L	19	J	1	YES	S2AVEM
PCB-106	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-107	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-108/124	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-110/115	Target	54		pg/L	54	B	1	YES	S2AVEM
PCB-111	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-112	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-114	Target	2.4	U	pg/L	2.4	UM	1	YES	S2AVEM
PCB-118	Target	51		pg/L	51	B	1	YES	S2AVEM
PCB-120	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-121	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-122	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-123	Target	2.1	U	pg/L	2.1	U	1	YES	S2AVEM
PCB-126	Target	2.4	U	pg/L	2.4	U	1	YES	S2AVEM
PCB-127	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-128/166	Target	5.1	J	pg/L	5.1	BJ	1	YES	S2AVEM
PCB-129/138/163	Target	33	J	pg/L	33	BJ	1	YES	S2AVEM
PCB-130	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-131	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-132	Target	8.2	J	pg/L	8.2	J	1	YES	S2AVEM
PCB-133	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-134	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-135/151	Target	7.3	J	pg/L	7.3	BJ	1	YES	S2AVEM
PCB-136	Target	3.5	J	pg/L	3.5	BJ	1	YES	S2AVEM
PCB-137	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-139/140	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-141	Target	4.5	J	pg/L	4.5	J	1	YES	S2AVEM
PCB-142	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-143	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-144	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-145	Target	20	U	pg/L	20	U	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
PCB-146	Target	3.1	J	pg/L	3.1	J	1	YES	S2AVEM
PCB-147/149	Target	16	J	pg/L	16	BJ	1	YES	S2AVEM
PCB-148	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-150	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-152	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-153/168	Target	21	J	pg/L	21	BJ	1	YES	S2AVEM
PCB-154	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-155	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-156/157	Target	5.5	J	pg/L	5.5	BJ	1	YES	S2AVEM
PCB-158	Target	3.8	J	pg/L	3.8	J	1	YES	S2AVEM
PCB-159	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-160	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-161	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-162	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-164	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-165	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-167	Target	2.4	J	pg/L	2.4	J	1	YES	S2AVEM
PCB-169	Target	3.2	U	pg/L	3.2	UM	1	YES	S2AVEM
PCB-170	Target	3.1	J	pg/L	3.1	J	1	YES	S2AVEM
PCB-171/173	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-172	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-174	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-175	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-176	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-177	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-178	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-179	Target	1.3	J	pg/L	1.3	J	1	YES	S2AVEM
PCB-180/193	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-181	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-182	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-183/185	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-184	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-186	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-187	Target	2.8	J	pg/L	2.8	J	1	YES	S2AVEM
PCB-188	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-189	Target	1.9	U	pg/L	1.9	UM	1	YES	S2AVEM
PCB-190	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-191	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-192	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-194	Target	1.7	J	pg/L	1.7	BJ	1	YES	S2AVEM
PCB-195	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-196	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-197/200	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-198/199	Target	41	U	pg/L	41	U	1	YES	S2AVEM
PCB-201	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-202	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-203	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-204	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-205	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-206	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-207	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-208	Target	20	U	pg/L	20	U	1	YES	S2AVEM
PCB-209	Target	20	U	pg/L	20	U	1	YES	S2AVEM
Total MoCB	Derived	54	J	pg/L	54	J	1	YES	S2AVEM
Total DiCB	Derived	590	J	pg/L	590	J	1	YES	S2AVEM
Total TrCB	Derived	830	J	pg/L	830	J	1	YES	S2AVEM
Total TeCB	Derived	420	J	pg/L	420	J	1	YES	S2AVEM
Total PeCB	Derived	310	J	pg/L	310	J	1	YES	S2AVEM
Total HxCB	Derived	110	J	pg/L	110	J	1	YES	S2AVEM
Total HpCB	Derived	7.2	J	pg/L	7.2	J	1	YES	S2AVEM
Total OcCB	Derived	1.7	J	pg/L	1.7	J	1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5F1** | **Lab Name: Cape Fear Analytical LLC**

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
Total NoCB	Derived		U			U	1	YES	S2AVEM
Total PCB	Derived	2300	J	pg/L	2300	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0029		pg/L	0.0029		1	YES	S2AVEM
TEQ (Bird)	Derived	0.28		pg/L	0.28		1	YES	S2AVEM
TEQ (Fish)	Derived	0.00095		pg/L	0.00095		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW16005/PBE5F1	Lab Name: Cape Fear Analytical LLC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No. : 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 14 (Water)
Analysis: PCB Congeners

SDG No.: PBE5F1
Laboratory: Cape Fear Analytical LLC
Sampling dates: 6/7/2019 - 6/12/2019
Validation SOP: HW-46 (Rev 1)

QAPP:
Contractor: EA Engineering, Science and Technology
Reference: Contract # W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:
None.

Major Findings:
Samples PBE5H6 and PBE5L0 have analytes that have been qualified "J".

Minor Findings:
One or more analytes in one or more samples are qualified "J" due to results between EDL/MDL and CRQL.

COMMENT: The site-specific QAPP did not provide the project action levels for field samples.

Reviewer Name(s): Raxa J. Shelley

Approver's Signature: **Date: 08/28/2019**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

DATA ASSESSMENT

ANALYSIS: PCB Congeners

The current SOP HW-46 (Revision 1) September 2008, USEPA Region II Data Validation SOP for evaluating organic data has been applied.

BLANK CONTAMINATION:

A) Method Blank/Instrument Blank Contamination:

The following samples have analyte results reported less than CRQLs. The associated method blank/instrument blank results are less than 1/2 xCRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

PCB-2
PBE5F1

PCB-3
PBE5F1, PBE5L0, PBE5M5

PCB-21/33
PBE5F1

PCB-22
PBE5F1

PCB-37
PBE5F1, PBE5M5

PCB-45/51
PBE5F1

PCB-56
PBE5F1, PBE5M5

PCB-61/70/74/76
PBE5F1, PBE5M5

PCB-66
PBE5F1, PBE5M5

PCB-85/116/117
PBE5F1, PBE5L0, PBE5M5

PCB-86/87/97/109/119/125
PBE5F1, PBE5M5

PCB-90/101/113
PBE5M5

PCB-99
PBE5M5

PCB-128/166
PBE5F1, PBE5L0

PCB-129/138/163
PBE5M5

PCB-135/151
PBE5F1, PBE5L0, PBE5M5

PCB-136
PBE5F1, PBE5M5

PCB-147/149
PBE5M5

PCB-153/168
PBE5M5

PCB-180/193
PBE5F1, PBE5L0, PBE5M5

PCB-194
PBE5Q1, PBE5Q5

PCB-197/200
PBE5Q0, PBE5Q4, PBE5Q5, PBE5Q6

PCB-198/199
PBE5F1, PBE5L0, PBE5Q1, PBE5Q5, PBE5Q6

PCB-205
PBE5Q0, PBE5Q4, PBE5Q6

PCB-208
PBE5Q0, PBE5Q4, PBE5Q6

PCB-209
PBE5Q0, PBE5Q4, PBE5Q6

The following samples have analyte results reported less than CRQLs. The associated method blank results are greater than or equal to 1/2x CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

PCB-110/115
PBE5M5

The following samples have WHO Toxic congener analyte results reported less than CRQLs but greater than or equal to the MDLs or EDLs. The associated method blank results are greater than or equal to the MDLs or EDLs but are less than 1/2xCRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

PCB-77
PBE5M9, PBE5Q1

PCB-118
PBE5M5

PCB-156/157
PBE5F1, PBE5L0, PBE5M8, PBE5M9, PBE5Q1

The following samples have analyte results reported greater than or equal to CRQLs but less than the method blank result. The associated method blank results are greater than or equal to 1/2x CRQLs. Detects are qualified U. Sample results have been reported at the blank result.

PCB-11
PBE5F1, PBE5L0, PBE5M5

B) Field Blank Contamination: PBE5H6, PBE5L7, PBE5R1

The following samples have analyte results reported less than CRQLs. The associated field blank results are less than 1/2 xCRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

PCB-2
PBE5Q0, PBE5Q1

PCB-12/13
PBE5Q1

PCB-35
PBE5Q1

PCB-46
PBE5F1

PCB-54
PBE5F1, PBE5Q0, PBE5Q1, PBE5Q3, PBE5Q5, PBE5Q6

PCB-59/62/75
PBE5Q1

PCB-67
PBE5Q1

PCB-83
PBE5Q1

PCB-85/116/117
PBE5Q1, PBE5Q3

PCB-88/91
PBE5F1

PCB-128/166
PBE5Q1

PCB-129/138/163
PBE5M8

PCB-146
PBE5Q1

PCB-153/168
PBE5M8

PCB-167
PBE5Q1, PBE5Q3

PCB-170
PBE5Q1

PCB-179
PBE5Q1, PBE5Q3, PBE5Q5

PCB-180/193
PBE5M8, PBE5M9

PCB-187
PBE5F1, PBE5Q1, PBE5Q3

The following samples have analyte results reported less than CRQLs. The associated field blank results are greater than or equal to 1/2x CRQLs. Detects are qualified U. Sample results have been reported at CRQLs.

PCB-11
PBE5M8, PBE5Q5

Sample Identification:
The following detected target congeners do not satisfy all method defined criteria (Ion Abundance Ratios outside the limits) and have been qualified J:

Sample # PBE5H6:
PCB-167

Sample # PBE5L0:
PCB-77

FIELD DUPLICATES:

Samples PBE5Q3 and PBE5Q5:
One or more analytes results do not match for the field duplicate samples.

OTHER PROBLEMS:

As per SDG Narrative, The samples PBE5L0 and PBE5M5 were extracted using a 100mL aliquot based on data acquired from the original extraction. Due to extremely high PCB concentrations, no results could be reported from the original runs. The sample extracts were diluted 1000x and additional surrogates were added prior to reanalysis for samples PBE5M8, PBE5M9, PBE5Q3, PBE5Q4, PBE5Q5, PBE5Q6, PBE5Q0 and PBE5Q1. The samples were re-extracted due to cross-contamination from other samples PBE5L0 and PBE5M5 in the batch.

The cooler temperature exceeded 6°C (7.3°C, 8.0°C, 6.4°C) for the samples listed below. No qualification was applied, as per EPA TOCOR.
PBE5M9, PBE5Q0, PBE5Q1, PBE5Q3, PBE5Q4, PBE5Q5, PBE5Q6, PBE5R1

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: DBLK49	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.4	U	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	1.7	U	pg/L	1.7	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	2.8	U	pg/L	2.8	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	3.5	U	pg/L	3.5	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	1.6	U	pg/L	1.6	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	4.3	U	pg/L	4.3	UM	1	YES	S2AVEM
OCDD	Target	5.0	U	pg/L	5.0	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	1.4	U	pg/L	1.4	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	1.4	U	pg/L	1.4	U	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	1.5	U	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	1.9	U	pg/L	1.9	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	1.4	U	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	1.5	U	pg/L	1.5	U	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	1.2	U	pg/L	1.2	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	3.6	U	pg/L	3.6	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	3.5	U	pg/L	3.5	UM	1	YES	S2AVEM
OCDF	Target	5.0	U	pg/L	5.0	UM	1	YES	S2AVEM
Total TCDD	Derived		U		1.2	U	1	YES	S2AVEM
Total PeCDD	Derived		U		1.6	U	1	YES	S2AVEM
Total HxCDD	Derived		U		1.5	U	1	YES	S2AVEM
Total HpCDD	Derived		U		1.9	U	1	YES	S2AVEM
Total TCDF	Derived		U		1.4	U	1	YES	S2AVEM
Total PeCDF	Derived		U		0.80	U	1	YES	S2AVEM
Total HxCDF	Derived		U		1.1	U	1	YES	S2AVEM
Total HpCDF	Derived		U		3.5	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: DLCS7Z	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	190		pg/L	190		1	YES	S2AVEM
1,2,3,7,8-PeCDD	Spike	990		pg/L	990		1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Spike	980		pg/L	980		1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Spike	940		pg/L	940		1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Spike	980		pg/L	980		1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Spike	980		pg/L	980		1	YES	S2AVEM
OCDD	Spike	1900		pg/L	1900		1	YES	S2AVEM
2,3,7,8-TCDF	Spike	200		pg/L	200		1	YES	S2AVEM
1,2,3,7,8-PeCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
2,3,4,7,8-PeCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
OCDF	Spike	2000		pg/L	2000		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: DLCSD4Y	Method: Dioxin	Matrix: Water	MA Number:
Sample Location:	pH: 5	Sample Date:	Sample Time:
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Spike	190		pg/L	190		1	YES	S2AVEM
1,2,3,7,8-PeCDD	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Spike	960		pg/L	960		1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Spike	960		pg/L	960		1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Spike	990		pg/L	990		1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Spike	970		pg/L	970		1	YES	S2AVEM
OCDD	Spike	1900		pg/L	1900		1	YES	S2AVEM
2,3,7,8-TCDF	Spike	190		pg/L	190		1	YES	S2AVEM
1,2,3,7,8-PeCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
2,3,4,7,8-PeCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Spike	1100		pg/L	1100		1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Spike	1000		pg/L	1000		1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Spike	1100		pg/L	1100		1	YES	S2AVEM
OCDF	Spike	1900		pg/L	1900		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5F1	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-ERT4-4-S19	pH: 8	Sample Date: 06/07/2019	Sample Time: 09:17:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	1.7	UJ	pg/L	1.7	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	2.8	UJ	pg/L	2.8	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	2.0	UJ	pg/L	2.0	U	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	4.4	UJ	pg/L	4.4	UM	1	YES	S2AVEM
OCDD	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	1.3	UJ	pg/L	1.3	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	1.7	J	pg/L	1.7	J	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	1.9	UJ	pg/L	1.9	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	1.7	UJ	pg/L	1.7	U	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	3.7	UJ	pg/L	3.7	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
OCDF	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		1.1	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		1.3	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		2.0	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		1.8	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		1.3	U	1	YES	S2AVEM
Total PeCDF	Derived	1.7	J	pg/L	1.7	J	1	YES	S2AVEM
Total HxCDF	Derived		UJ		1.3	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		1.5	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.051		pg/L	0.051		1	YES	S2AVEM
TEQ (Bird)	Derived	0.17		pg/L	0.17		1	YES	S2AVEM
TEQ (Fish)	Derived	0.084		pg/L	0.084		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5H6	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: FB06072019	pH: 8	Sample Date: 06/07/2019	Sample Time: 13:20:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	1.7	UJ	pg/L	1.7	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	2.8	UJ	pg/L	2.8	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	1.6	UJ	pg/L	1.6	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	4.3	UJ	pg/L	4.3	UM	1	YES	S2AVEM
OCDD	Target	5.0	UJ	pg/L	5.0	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	1.2	UJ	pg/L	1.2	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	1.9	UJ	pg/L	1.9	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	1.6	UJ	pg/L	1.6	U	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	1.2	UJ	pg/L	1.2	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	3.6	UJ	pg/L	3.6	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
OCDF	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		0.99	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		1.1	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		1.3	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		1.7	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		1.2	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		0.58	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		1.2	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		3.5	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5L0	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW01A-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 08:23:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	1.7	UJ	pg/L	1.7	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	2.8	UJ	pg/L	2.8	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	1.6	UJ	pg/L	1.6	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	4.4	UJ	pg/L	4.4	UM	1	YES	S2AVEM
OCDD	Target	6.2	J	pg/L	6.2	J	1	YES	S2AVEM
2,3,7,8-TCDF	Target	1.8	UJ	pg/L	1.8	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	1.9	UJ	pg/L	1.9	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	3.7	UJ	pg/L	3.7	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
OCDF	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		0.93	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		1.2	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		1.3	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		1.7	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		1.8	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		0.53	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		0.85	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		1.2	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0019		pg/L	0.0019		1	YES	S2AVEM
TEQ (Bird)	Derived	0.00062		pg/L	0.00062		1	YES	S2AVEM
TEQ (Fish)	Derived	0.00062		pg/L	0.00062		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5L7	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: FB061119	pH: 8	Sample Date: 06/11/2019	Sample Time: 17:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	1.7	UJ	pg/L	1.7	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	2.9	UJ	pg/L	2.9	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	3.6	UJ	pg/L	3.6	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	1.6	UJ	pg/L	1.6	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	4.4	UJ	pg/L	4.4	UM	1	YES	S2AVEM
OCDD	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	1.2	UJ	pg/L	1.2	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	2.0	UJ	pg/L	2.0	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	3.7	UJ	pg/L	3.7	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	3.6	UJ	pg/L	3.6	UM	1	YES	S2AVEM
OCDF	Target	5.2	UJ	pg/L	5.2	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		0.93	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		1.2	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		1.3	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		1.5	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		1.2	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		0.53	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		0.77	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		3.6	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5M5	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW16-7-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:31:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	1.7	UJ	pg/L	1.7	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	2.8	UJ	pg/L	2.8	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	1.6	UJ	pg/L	1.6	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	4.4	UJ	pg/L	4.4	UM	1	YES	S2AVEM
OCDD	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	1.2	UJ	pg/L	1.2	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	2.0	UJ	pg/L	2.0	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	3.7	UJ	pg/L	3.7	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
OCDF	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		0.88	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		1.1	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		1.1	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		2.0	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		1.2	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		0.50	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		0.81	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		3.5	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5M8	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW12-SH-S19	pH: 7	Sample Date: 06/11/2019	Sample Time: 12:02:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	25	UJ	pg/L	25	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	31	UJ	pg/L	31	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	38	UJ	pg/L	38	UM	1	YES	S2AVEM
OCDD	Target	48	JEMPC	pg/L	48	*	1	YES	S2AVEM
2,3,7,8-TCDF	Target	16	UJ	pg/L	16	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	11	UJ	pg/L	11	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	17	UJ	pg/L	17	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	11	UJ	pg/L	11	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	32	UJ	pg/L	32	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	31	UJ	pg/L	31	UM	1	YES	S2AVEM
OCDF	Target	45	UJ	pg/L	45	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		8.4	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		7.6	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		13	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		18	U	1	YES	S2AVEM
Total TCDF	Derived	19	J	pg/L	19	J	1	YES	S2AVEM
Total PeCDF	Derived		UJ		4.6	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		6.6	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		31	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5M9	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW11-SH-S19	pH: 8	Sample Date: 06/11/2019	Sample Time: 14:30:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	17	UJ	pg/L	17	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	28	UJ	pg/L	28	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	35	UJ	pg/L	35	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	16	UJ	pg/L	16	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	43	UJ	pg/L	43	UM	1	YES	S2AVEM
OCDD	Target	51	UJ	pg/L	51	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	20	UJ	pg/L	20	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	19	UJ	pg/L	19	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	36	UJ	pg/L	36	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	35	UJ	pg/L	35	UM	1	YES	S2AVEM
OCDF	Target	51	UJ	pg/L	51	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		8.2	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		10	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		11	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		17	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		20	U	1	YES	S2AVEM
Total PeCDF	Derived	14	J	pg/L	14	J	1	YES	S2AVEM
Total HxCDF	Derived		UJ		10	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		35	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q0	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW14S-2-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	17	UJ	pg/L	17	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	27	UJ	pg/L	27	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	34	UJ	pg/L	34	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	42	UJ	pg/L	42	UM	1	YES	S2AVEM
OCDD	Target	49	UJ	pg/L	49	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	36	UJ	pg/L	36	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	31	UJ	pg/L	31	U	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	110	J	pg/L	110	J	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	350	J	pg/L	350	J	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	180	J	pg/L	180	J	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	74	JEMPC	pg/L	74	*	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	74	J	pg/L	74	J	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	170	J	pg/L	170	J	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	120	J	pg/L	120	J	1	YES	S2AVEM
OCDF	Target	160	J	pg/L	160	J	1	YES	S2AVEM
Total TCDD	Derived		UJ		8.2	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		14	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		13	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		12	U	1	YES	S2AVEM
Total TCDF	Derived	310	J	pg/L	310	J	1	YES	S2AVEM
Total PeCDF	Derived	680	J	pg/L	680	J	1	YES	S2AVEM
Total HxCDF	Derived	950	J	pg/L	950	J	1	YES	S2AVEM
Total HpCDF	Derived	390	J	pg/L	390	J	1	YES	S2AVEM
TEQ (Mammal)	Derived	97		pg/L	97		1	YES	S2AVEM
TEQ (Bird)	Derived	180		pg/L	180		1	YES	S2AVEM
TEQ (Fish)	Derived	120		pg/L	120		1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q1	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW14S-3-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:01:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	25	UJ	pg/L	25	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	31	UJ	pg/L	31	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	39	UJ	pg/L	39	UM	1	YES	S2AVEM
OCDD	Target	45	UJ	pg/L	45	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	24	UJ	pg/L	24	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	14	UJ	pg/L	14	U	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	17	UJ	pg/L	17	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	11	UJ	pg/L	11	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	33	UJ	pg/L	33	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	31	UJ	pg/L	31	UM	1	YES	S2AVEM
OCDF	Target	46	UJ	pg/L	46	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		8.4	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		9.4	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		12	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		12	U	1	YES	S2AVEM
Total TCDF	Derived	53	J	pg/L	53	J	1	YES	S2AVEM
Total PeCDF	Derived	69	J	pg/L	69	J	1	YES	S2AVEM
Total HxCDF	Derived		UJ		8.7	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		31	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q3	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: FD061219-1	pH: 8	Sample Date: 06/12/2019	Sample Time: 11:00:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	16	UJ	pg/L	16	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	27	UJ	pg/L	27	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	33	UJ	pg/L	33	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	41	UJ	pg/L	41	UM	1	YES	S2AVEM
OCDD	Target	48	UJ	pg/L	48	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	18	UJ	pg/L	18	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	18	UJ	pg/L	18	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	35	UJ	pg/L	35	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	33	UJ	pg/L	33	UM	1	YES	S2AVEM
OCDF	Target	48	UJ	pg/L	48	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		8.0	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		8.3	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		7.9	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		13	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		18	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		4.9	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		8.0	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		33	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q4	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-1-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	17	UJ	pg/L	17	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	27	UJ	pg/L	27	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	34	UJ	pg/L	34	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	17	UJ	pg/L	17	U	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	42	UJ	pg/L	42	UM	1	YES	S2AVEM
OCDD	Target	49	UJ	pg/L	49	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	17	UJ	pg/L	17	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	19	UJ	pg/L	19	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	18	UJ	pg/L	18	U	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	23	UJ	pg/L	23	U	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	17	UJ	pg/L	17	U	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	35	UJ	pg/L	35	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	34	UJ	pg/L	34	UM	1	YES	S2AVEM
OCDF	Target	49	UJ	pg/L	49	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		8.7	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		9.0	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		17	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		14	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		17	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		6.1	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		17	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		34	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q5	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-2-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	17	UJ	pg/L	17	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	28	UJ	pg/L	28	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	35	UJ	pg/L	35	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	16	UJ	pg/L	16	U	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	43	UJ	pg/L	43	UM	1	YES	S2AVEM
OCDD	Target	50	UJ	pg/L	50	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	20	UJ	pg/L	20	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	13	UJ	pg/L	13	U	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	19	UJ	pg/L	19	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	14	UJ	pg/L	14	U	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	36	UJ	pg/L	36	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	35	UJ	pg/L	35	UM	1	YES	S2AVEM
OCDF	Target	51	UJ	pg/L	51	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		9.5	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		11	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		16	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		14	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		20	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		5.6	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		10	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		35	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5Q6	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: LTM03-MW14D-1-S19	pH: 7	Sample Date: 06/12/2019	Sample Time: 10:05:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	15	UJ	pg/L	15	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	25	UJ	pg/L	25	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	31	UJ	pg/L	31	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	14	UJ	pg/L	14	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	38	UJ	pg/L	38	UM	1	YES	S2AVEM
OCDD	Target	44	UJ	pg/L	44	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	15	UJ	pg/L	15	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	11	UJ	pg/L	11	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	13	UJ	pg/L	13	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	17	UJ	pg/L	17	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	12	UJ	pg/L	12	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	11	UJ	pg/L	11	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	32	UJ	pg/L	32	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	31	UJ	pg/L	31	UM	1	YES	S2AVEM
OCDF	Target	45	UJ	pg/L	45	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		8.6	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		9.3	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		8.6	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		13	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		15	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		7.8	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		6.1	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		31	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project | **GroupID: 48182/EPW16005/PBE5H6** | **Lab Name: Cape Fear Analytical LLC**

Sample Number: PBE5R1	Method: Dioxin	Matrix: Water	MA Number:
Sample Location: FB061219	pH: 9	Sample Date: 06/12/2019	Sample Time: 14:15:00
% Moisture:		% Solids:	

Analyte Name	Analyte Type	Validation Result	Validation Flag	Units	Lab Result	Lab Flag	Dilution Factor	Reportable	Validation Level
2,3,7,8-TCDD	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,7,8-PeCDD	Target	1.7	UJ	pg/L	1.7	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDD	Target	2.8	UJ	pg/L	2.8	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDD	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDD	Target	1.6	UJ	pg/L	1.6	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDD	Target	4.3	UJ	pg/L	4.3	UM	1	YES	S2AVEM
OCDD	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
2,3,7,8-TCDF	Target	0.95	UJ	pg/L	0.95	U	1	YES	S2AVEM
1,2,3,7,8-PeCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
2,3,4,7,8-PeCDF	Target	1.5	UJ	pg/L	1.5	UM	1	YES	S2AVEM
1,2,3,4,7,8-HxCDF	Target	1.9	UJ	pg/L	1.9	UM	1	YES	S2AVEM
1,2,3,6,7,8-HxCDF	Target	1.4	UJ	pg/L	1.4	UM	1	YES	S2AVEM
1,2,3,7,8,9-HxCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
2,3,4,6,7,8-HxCDF	Target	1.3	UJ	pg/L	1.3	UM	1	YES	S2AVEM
1,2,3,4,6,7,8-HpCDF	Target	3.6	UJ	pg/L	3.6	UM	1	YES	S2AVEM
1,2,3,4,7,8,9-HpCDF	Target	3.5	UJ	pg/L	3.5	UM	1	YES	S2AVEM
OCDF	Target	5.1	UJ	pg/L	5.1	UM	1	YES	S2AVEM
Total TCDD	Derived		UJ		0.78	U	1	YES	S2AVEM
Total PeCDD	Derived		UJ		1.7	U	1	YES	S2AVEM
Total HxCDD	Derived		UJ		1.0	U	1	YES	S2AVEM
Total HpCDD	Derived		UJ		1.3	U	1	YES	S2AVEM
Total TCDF	Derived		UJ		0.95	U	1	YES	S2AVEM
Total PeCDF	Derived		UJ		0.45	U	1	YES	S2AVEM
Total HxCDF	Derived		UJ		1.3	U	1	YES	S2AVEM
Total HpCDF	Derived		UJ		3.5	U	1	YES	S2AVEM
TEQ (Mammal)	Derived	0.0					1	YES	S2AVEM
TEQ (Bird)	Derived	0.0					1	YES	S2AVEM
TEQ (Fish)	Derived	0.0					1	YES	S2AVEM

Sample Summary Report

Project Name: CORNELL DUBILIER ELECTRONICS INC. Project	GroupID: 48182/EPW16005/PBE5H6	Lab Name: Cape Fear Analytical LLC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

EXECUTIVE NARRATIVE

Case No. : 48182
Site: Cornell Dubilier Electronics Inc.
Number of Samples: 14 (Water)
Analysis: Dioxins/Furans

SDG No.: PBE5H6
Laboratory: Cape Fear Analytical LLC
Sampling dates: 6/7/2019 - 6/12/2019
Validation SOP: HW-19 (Rev 1.1)

QAPP:
Contractor: EA Engineering, Science and Technology
Reference: Contract # W912DQ-16-D-3001, October 2017

SUMMARY OF DEFINITIONS:

Critical: Results have an unacceptable level of uncertainty and should not be used for making decisions. Data have been qualified "R" rejected.
Major: A level of uncertainty exists that may not meet the data quality objectives for the project. A bias is likely to be present in the results. Data has been qualified "J" estimated.
Minor: The level of uncertainty is acceptable. No significant bias in the data was observed.

Critical Findings:

None.

Major Findings:

All the associated samples have analytes that have been qualified "J", "J+" or "J-".

Minor Findings:

One or more analytes in one or more samples are qualified "J" due to results between EDL/MDL and CRQL.

COMMENT:	The project action level for total Dioxins/Furans (2378-TCDD TEQ) is used for 2378-TCDD to run summary reports. No sample has 2378-TCDD detected greater than the project action level. Non-detected 2378-TCDD exceeded the project action levels for one or more samples.

Reviewer Name(s): Raxa J. Shelley

Approver's Signature: **Date: 08/05/2019**

Name: Russell Arnone

Affiliation: USEPA/R2/HWSB/HWSS

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

Data Qualifier Definitions (National Functional Guidelines)			
Qualifier Symbol	**Explanation**		
	INORGANICS	**ORGANICS**	**CHLORINATED DIOXIN/FURAN**
U	The analyte was analyzed for, but was not detected above the level of the reported quantitation limit.	The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the adjusted Contract Required Quantitation Limit (CRQL) for sample and method	The analyte was analyzed for but not detected. The value preceding the "U" may represent the adjusted Contract Required Quantitation Limit (see DLM02.X, Exhibit D, Section 1.2 and Table 2), or the sample specific estimated detection limit (EDL, see Method 8290A, Section 11.9.5).
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to the quality of the data generated because certain quality control criteria were not met, or the concentration of the analyte was below the CRQL.	The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample (due either to an issue with the quality of the data generated because certain QC criteria were not met, or the concentration of the analyte was below the adjusted CRQL).
J+	The result is an estimated quantity, but the result may be biased high.	The result is an estimated quantity, but the result may be biased high.	
J–	The result is an estimated quantity, but the result may be biased low.	The result is an estimated quantity, but the result may be biased low.	
UJ	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.	The analyte was not detected at a level greater than or equal to the adjusted CRQL. However, the reported adjusted CRQL is approximate and may be inaccurate or imprecise.	The analyte was not detected (see definition of "U" flag, above). The reported value should be considered approximate.
R	The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control (QC) criteria. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.	The sample results are unusable due to the quality of the data generated because certain criteria were not met. The analyte may or may not be present in the sample.
N		The analysis indicates the presence of an analyte for which there is presumptive evidence to make a “tentative identification”.	
NJ		The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.	
C		This qualifier applies to pesticide and Aroclor results when the identification has been confirmed by Gas Chromatograph/Mass Spectrometer (GC/MS).	
X		This qualifier applies to pesticide and Aroclor results when GC/MS analysis was attempted but was unsuccessful.	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
DESA/HWSB/HWSS
2890 Woodbridge Avenue, Edison, NJ 08837

DATA ASSESSMENT

ANALYSIS: DIOXINS/FURANS

The current SOP HW-19 (Revision 1.1) December 2010, USEPA Region II Data Validation SOP for evaluating organic data has been applied.

Holding Time and Preservation:
The following samples are extracted outside the extraction holding time criteria. Detected analytes are qualified J. Non-detected analytes are qualified UJ.

PBE5F1, PBE5H6, PBE5L0, PBE5L7, PBE5M5, PBE5M8, PBE5M9, PBE5Q0, PBE5Q1, PBE5Q3, PBE5Q4, PBE5Q5, PBE5Q6, PBE5R1

The cooler temperature exceeded 6°C (7.3°C, 8.0°C, 6.4°C) for the samples listed below. These samples were already qualified for holding time criteria, and no action was taken.

PBE5M9, PBE5Q0, PBE5Q1, PBE5Q3, PBE5Q4, PBE5Q5, PBE5Q6, PBE5R1

Sample identification:
The following detected target analytes do not satisfy all method defined criteria (Ion Abundance Ratios) and have been reported as Estimated Maximum Possible concentration (EMPC):

Sample # PBE5M8
OCDD

Sample # PBE5Q0
123789-HxCDF

Method Blank/Instrument Blank Contamination:

No problems were found for this criterion.

Field Blank: PBE5H6, PBE5L7, PBE5R1

No problems were found for this criterion.

FIELD DUPLICATES: PBE5Q3 and PBE5Q5

No problems were found for this criterion.

OTHER PROBLEMS:

As per SDG Narrative, the following samples were highly contaminated with PCBs samples and the laboratory has used reduced aliquots (100 ml) for extraction of these very worst samples.

Sample # PBE5M8, PBE5M9, PBE5Q0, PBE5Q1, PBE5Q3, PBE5Q4, PBE5Q5, PBE5Q6

Appendix H

Data Usability Report

Data Quality Assessment
Table H-1 Sample Summary
Table H-2 Data Usability Worksheet
Table H-3 Trip Blank Results
Table H-4 Field Blank Results
Table H-5 Field Duplicate Results
Table H-6 Completeness Results

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Data QualityAssessment

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1. DATA QUALITY ASSESSMENT

1.1. POTENTIOMETRIC SURFACES

EA Engineering, Science, and Technology, Inc., PBC (EA) performed field activities to support the Operable Unit 3 Groundwater Second Annual Long-Term Monitoring Event at the Cornell-Dubilier Electronic Superfund Site (the Site). The purpose of this assessment is to evaluate the usability of the data collected and to determine whether they meet the quality objectives and user requirements outlined in the approved Uniform Federal Policy Quality Assurance Project Plan (UFP-QAPP).

Groundwater sampling activities were conducted from 3 through 13 June 2019. Table H-1 summarizes the samples collected in Spring 2019 and lists the methods used to analyze the samples. For the Spring 2019 sampling event, samples were shipped to the EPA contract laboratory program (CLP) laboratory, Shealy Environmental Services, for analysis of trace volatile organic compounds (VOC), pesticides and polychlorinated biphenyls (PCB) Aroclors; to the EPA CLP laboratory, Chemtech Consulting Group for metals; and the remaining samples were shipped to the EPA CLP laboratory, Cape Fear Analytical, LLC, for Dioxins/Furans and PCB Congeners analysis.

1.2. USABILITY SUMMARY

Table H-2, the Data Usability Worksheet, discusses the field sampling and validation process, and summarizes the achievement of the data quality objectives. Only the final qualified data will be presented in the Long-Term Monitoring Program Report and other reports pertaining to the site. Data that did not meet quality control (QC) criteria were appropriately qualified during data validation as estimated "J", "J+" and usable; usable but non-detect "U", "UJ"; or as rejected "R" and not usable. These terms are defined in Section 1.4.

37 pesticides were rejected during the validation process for the sampling event.

The data generated during the Long-Term Monitoring Program are considered definitive data generated under an EPA approved UFP-QAPP, following EPA methods and validated according to EPA Region 2 data validation standard operating procedures (SOPs). All estimated data results may be used for their intended purpose, the long-term monitoring data evaluation. Qualified data that: a) are outliers, b) are near the edge of contaminated areas, or c) are suspect concentrations based on historical information, duplicate data, or multiple lines of evidence, will be further assessed to determine their usability as inputs for project decisions. All data results may be used for their intended purpose during the long-term monitoring program data evaluation.

The final percentage of valid groundwater data for Spring 2019 is 99 percent. The ninety percent completeness goal for usable data has been met.

1.3. USABILITY SUMMARY

QC parameters evaluated in the data review/validation and the corresponding data quality indicators (DQIs) are summarized in Table H-2. Sample results were reviewed using Level IV data validation.

Precision, accuracy, representativeness, comparability, completeness, and sensitivity are used as DQIs. These DQIs provide a mechanism for evaluating and measuring data quality throughout the project.

Achievement of the project's quality objectives were evaluated from the DQI results assessed against their measurement performance criteria. The DQIs and their measurement performance criteria are defined, and their results discussed in the appropriate sections of Table H-2.

Data failing QC criteria were appropriately qualified as estimated non-detect during data validation. All data reported herein are usable with the data validation qualifiers added. During the data evaluation, some rejected data may be estimated or re-coded in terms of use and the type of site decisions when comparable with historical results or surrounding data.

1.4. DATA VALIDATION QUALIFIERS

The following qualifiers were used with the reported data.

Qualifiers:

J, NJ	-	The analyte was positively identified, and the associated numerical value is the approximate concentration of the analyte in the sample.
J-	-	The result is an estimated quantity, but the result may be biased low.
J+	-	The result is an estimated quantity, but the result may be biased high.
U	-	The analyte was not detected at a level greater than or equal to the level of the sample contract required quantitation limit (CRQL).
UJ	-	The analyte was not detected; however, the reported CRQL is approximate and may be inaccurate or imprecise.
R	-	The data are unusable. The sample results are rejected due to serious deficiencies in meeting the QC criteria. The analyte may or may not be present in the sample.
N	-	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
JEMPC		Reported analyte concentration has been reported as Estimated Maximum Possible concentration.

1.5. ACRONYMS

ABS	Absolute difference
CLP	Contract laboratory program
CRQL	Contract required quantitation limit
COC	Contaminants of concern
DMC	Deuterated monitoring compound
DQI	Data quality indicator
DQO	Data quality objective
EA	EA Engineering, Science, and Technology, Inc., PBC
EPA	United States Environmental Protection Agency
FB	Field blank
FCR	Field change request
FD	Field duplicate
GC/MS	Gas Chromatograph/Mass Spectrometer
ID	Identification
LCS	Laboratory control sample
µg/L	Microgram(s) per liter
MS/MSD	matrix spike/matrix spike duplicate
NA	No action
OU	Operable unit
PAL	Project action limit
PCB	Polychlorinated biphenyls
Percent R	Percent recovery
Percent D	Percent difference
QA/QC	Quality assurance/quality control
RPD	Relative percent difference
RSD	relative standard deviation
SOP	Standard operating procedure
TB	Trip blank

TAL	Target analyte list
UFP-QAPP	Uniform Federal Policy Quality Assurance Project Plan
VOC	Volatile organic compound
WG	Groundwater
WQ	Water quality

Table H-1
Sample Summary

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Table 1 Sample Summary

Sample ID	Sample Date	Matrix	Sample Type	Parent Sample	VOCs	Pesticides	PCB Aroclors	TAL metals	Dioxins/ furans	PCB Congeners
LTM03-MW01A-SH-S19	6/11/2019	WG			1	1	1	---	1	1
LTM03-MW02A-SH-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-MW03-SH-S19	6/12/2019	WG			1	1	1	1	---	---
LTM03-MW04-SH-S19	6/11/2019	WG			1	1	1	1	---	---
LTM03-MW05-SH-S19	6/10/2019 / 6/12/2019 (Metals)	WG			1	1	1	1	---	---
LTM03-MW06-SH-S19	6/11/2019	WG			1	1	1	1	---	---
LTM03-MW07-SH-S19	6/11/2019	WG			1	1	1	1	---	---
LTM03-MW08-SH-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-MW09-SH-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-MW10-SH-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-MW11-SH-S19	6/11/2019	WG			1	1	1	---	1	1
LTM03-MW12-SH-S19	6/11/2019	WG	MS/MSD		1	1	1	1	1	1
					---	2	2	2	2	2
LTM03-ERT1-1-S19	6/10/2019	WG	MS/MSD		1	1	1	---	---	---
					---	2	2	---	---	---
LTM03-ERT1-2-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-ERT1-3-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-ERT1-4-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-ERT1-5-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-ERT1-6-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-ERT1-7-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-ERT1-8-S19	6/10/2019	WG			1	1	1	---	---	---
LTM03-ERT2-1-S19	6/12/2019	WG			1	1	1	1	---	---
LTM03-ERT2-2-S19	6/12/2019	WG			1	1	1	1	---	---
LTM03-ERT2-4-S19	6/12/2019	WG			1	1	1	---	---	---
LTM03-ERT2-5-S19	6/12/2019	WG			1	1	1	---	---	---
LTM03-ERT2-6-S19	6/12/2019	WG			1	1	1	---	---	---
LTM03-ERT2-7-S19	6/12/2019	WG			1	1	1	---	---	---
LTM03-ERT3-1-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-ERT3-2-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-ERT3-3-S19	6/6/2019 (VOC) / 6/12/2019 (PCBs)	WG			1	---	1	---	---	---
LTM03-ERT3-5-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-ERT3-6-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-ERT4-1-S19	6/12/2019	WG			1	---	---	---	---	---
LTM03-ERT4-2-S19	6/12/2019	WG			1	---	---	---	---	---
LTM03-ERT4-3-S19	6/12/2019	WG			1	---	---	---	---	---
LTM03-ERT4-4-S19	6/7/2019 (dioxins/furans and PCB congeners) / 6/12/2019 (VOCs)	WG			1	---	---	---	1	1
LTM03-ERT4-5-S19	6/7/2019	WG			1	---	---	---	---	---
LTM03-ERT4-6-S19	6/12/2019	WG			1	---	---	---	---	---
LTM03-ERT4-7-S19	6/12/2019	WG			1	---	---	---	---	---
LTM03-ERT5-1-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT5-2-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT5-3-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT5-4-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT5-5-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT5-6-S19	6/4/2019	WG			1	---	1	---	---	---
LTM03-ERT6-1-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT6-2-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT6-3-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT6-4-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-ERT6-5-S19	6/4/2019	WG			1	---	1	---	---	---
LTM03-ERT7-1-S19	6/6/2019	WG			1	---	1	---	---	---
LTM03-ERT7-2-S19	6/6/2019	WG			1	---	1	---	---	---
LTM03-ERT7-3-S19	6/6/2019	WG			1	---	1	1	---	---
LTM03-ERT7-4-S19	6/6/2019	WG			1	---	1	---	---	---
LTM03-ERT7-5-S19	6/6/2019	WG	MS/MSD		1	---	1	1	---	---
					---	---	2	2	---	---
LTM03-ERT8-1-S19	6/11/2019	WG			1	---	---	---	---	---
LTM03-ERT8-2-S19	6/11/2019	WG			1	---	---	---	---	---
LTM03-ERT8-3-S19	6/11/2019	WG			1	---	---	---	---	---
LTM03-ERT8-5-S19	6/11/2019	WG			1	---	---	---	---	---
LTM03-ERT8-6-S19	6/11/2019	WG			1	---	---	---	---	---
LTM03-ERT8-7-S19	6/11/2019	WG			1	---	---	---	---	---
LTM03-MW13-1-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW13-2-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW13-3-S19	6/5/2019	WG			1	---	---	1	---	---
LTM03-MW13-4-S19	6/5/2019	WG			1	---	---	1	---	---
LTM03-MW13-5-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW13-6-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW13-7-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW14S-1-S19	DNAPL, no sample collected	WG			1	1	1	1	1	1
LTM03-MW14S-2-S19	6/12/2019	WG			1	1	1	1	1	1
LTM03-MW14S-3-S19	6/12/2019	WG			1	1	1	1	1	1
LTM03-MW14S-4-S19	DNAPL, no sample collected	WG			1	1	1	1	1	1
LTM03-MW14D-1-S19	6/12/2019	WG			1	1	1	---	1	1
LTM03-MW14D-2-S19	6/12/2019	WG			1	1	1	---	1	1
LTM03-MW14D-3-S19	6/12/2019	WG			1	1	1	---	1	1
LTM03-MW15S-1-S19	6/10/2019 / 6/12/2019 (metals)	WG			1	1	1	1	---	---
LTM03-MW15S-2-S19	6/10/2019 / 6/12/2019 (metals)	WG			1	1	1	1	---	---
LTM03-MW15D-1-S19	6/10/2019 / 6/12/2019 (metals)	WG			1	1	1	1	---	---
LTM03-MW15D-2-S19	6/10/2019 / 6/12/2019 (metals)	WG			1	1	1	1	---	---

Sample ID	Sample Date	Matrix	Sample Type	Parent Sample	VOCs	Pesticides	PCB Aroclors	TAL metals	Dioxins/ furans	PCB Congeners
LTM03-MW16-1-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-MW16-2-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-MW16-3-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-MW16-4-S19	6/11/2019	WG			1	1	1	1	---	---
LTM03-MW16-5-S19	6/11/2019	WG			1	1	1	1	---	---
LTM03-MW16-6-S19	6/11/2019	WG			1	1	1	1	---	---
LTM03-MW16-7-S19	6/11/2019	WG			1	1	1	1	1	1
LTM03-MW17-1-S19	6/12/2019	WG			1	1	1	---	---	---
LTM03-MW17-2-S19	6/12/2019	WG			1	1	1	---	---	---
LTM03-MW17-3-S19	6/12/2019	WG			1	1	1	1	---	---
LTM03-MW18-1-S19	6/4/2019	WG			1	---	---	---	---	---
LTM03-MW18-2-S19	6/4/2019	WG			1	---	---	1	---	---
LTM03-MW19-1-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW19-2-S19	6/5/2019	WG			1	---	---	1	---	---
LTM03-MW19-3-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW19-4-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW19-5-S19	6/5/2019	WG			1	---	---	1	---	---
LTM03-MW19-6-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW19-7-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW20-1-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW20-2-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW20-3-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW20-4-S19	6/5/2019 / 6/12/2019	WG			1	---	---	---	---	---
LTM03-MW20-5-S19	6/5/2019 / 6/12/2019	WG			1	---	---	---	---	---
LTM03-MW20-6-S19	6/5/2019 / 6/21/2019	WG			1	---	---	---	---	---
LTM03-MW20-7-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW20-8-S19	6/5/2019	WG			1	---	---	---	---	---
LTM03-MW21-1-S19	6/7/2019 (metals) / 6/12/2019 (V)Cs)	WG			1	---	---	1	---	---
LTM03-MW21-2-S19	6/7/2019 (metals) / 6/12/2019 (V)Cs)	WG			1	---	---	1	---	---
LTM03-MW21-3-S19	6/7/2019 (metals) / 6/12/2019 (V)Cs)	WG			1	---	---	1	---	---
LTM03-MW21-4-S19	6/7/2019 (metals) / 6/12/2019 (V)Cs)	WG			1	---	---	1	---	---
LTM03-MW21-5-S19	6/7/2019 (metals) / 6/12/2019 (V)Cs)	WG			1	---	---	1	---	---
LTM03-MW21-6-S19	6/7/2019 (metals) / 6/12/2019 (V)Cs)	WG			1	---	---	1	---	---
LTM03-MW21-7-S19	6/7/2019 (metals) / 6/12/2019 (V)Cs)	WG			1	---	---	1	---	---
LTM03-MW21-8-S19	6/7/2019 (metals) / 6/12/2019 (V)Cs)	WG			1	---	---	1	---	---
LTM03-MW22-1-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW22-2-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW22-3-S19	6/6/2019	WG			1	---	1	---	---	---
LTM03-MW22-4-S19	6/6/2019	WG			1	---	---	1	---	---
LTM03-MW23-1-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW23-2-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW23-3-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW23-4-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW23-5-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW23-6-S19	6/6/2019	WG			1	---	---	1	---	---
LTM03-MW23-7-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW23-8-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW23-9-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW24 -1-S19	6/5/2019	WG			1	---	1	1	---	---
LTM03-MW24 -2-S19	6/5/2019	WG			1	---	1	---	---	---
LTM03-MW24 -3-S19	6/5/2019	WG			1	---	1	---	---	---
LTM03-MW24 -4-S19	6/5/2019	WG			1	---	1	---	---	---
LTM03-MW24 -5-S19	6/5/2019	WG			1	---	1	---	---	---
LTM03-MW24 -6-S19	6/5/2019	WG			1	---	1	---	---	---
LTM03-MW25 -1-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW25 -2-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW25 -3-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW25 -4-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW25 -5-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW25 -6-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW26-1-S19	6/6/2019	WG			1	---	1	1	---	---
LTM03-MW26-2-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW26-3-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW26-4-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW26-5-S19	6/6/2019	WG			1	---	---	---	---	---
LTM03-MW26-6-S19	6/6/2019	WG			1	---	1	---	---	---
LTM03-MW27-1-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW27-2-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW27-3-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW27-4-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-MW27-5-S19	6/10/2019	WG			1	---	---	---	---	---
LTM03-FWP-1-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-FWP-2-S19	6/11/2019	WG	MS/MSD		1	1	1	---	---	---
					---	2	2	---	---	---
LTM03-FWP-3-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-FWP-4-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-FWP-5-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-FWP-6-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-FWP-7-S19	6/11/2019	WG			1	1	1	1	---	---
LTM03-FWP-8-S19	6/11/2019	WG			1	1	1	---	---	---
LTM03-FWP-9-S19	6/11/2019	WG			1	1	1	1	---	---

Sample ID	Sample Date	Matrix	Sample Type	Parent Sample	VOCs	Pesticides	PCB Aroclors	TAL metals	Dioxins/ furans	PCB Congeners
FD-061119	6/11/2019	WG	Duplicate	MW06	1	1	1	1	---	---
FD-061019	6/10/2019	WG	Duplicate	ERT1-3	1	1	1	---	---	---
FD061219-2	6/12/2019	WG	Duplicate	ERT4-2	1	---	---	---	---	---
FD060619	6/6/2019	WG	Duplicate	ERT7-4	1	---	1	---	---	---
FD060519-3	6/5/2019	WG	Duplicate	MW13-4	1	---	---	1	---	---
FD061219-1	6/12/2019	WG	Duplicate	MW14D-2	1	1	1	---	1	1
FB060519-2	6/5/2019	WG	Duplicate	MW19-7	1	---	---	---	---	---
FD060519-1	6/5/2019	WG	Duplicate	MW20-4	1	---	---	---	---	---
FB060419	6/4/2019	WQ	Field Blank		1	---	1	1	---	---
FB060519	6/5/2019	WQ	Field Blank		1	---	1	1	---	---
FB060619	6/6/2019	WQ	Field Blank		1	---	1	1	---	---
FB060719	6/7/1029	WQ	Field Blank		---	---	---	1	1	1
FB061019	6/10/2019	WQ	Field Blank		1	1	1	1	---	---
FB061119	6/11/2019	WQ	Field Blank		1	1	1	1	1	1
FB061219	6/12/2019	WQ	Field Blank		1	1	1	1	1	1
FB062119	6/21/2019	WQ	Field Blank		1	---	---	---	---	---
TB06042019	6/4/2019	WQ	Trip Blank		1	---	---	---	---	---
TB06042019	6/4/2019	WQ	Trip Blank		1	---	---	---	---	---
TB06062019	6/6/2019	WQ	Trip Blank		1	---	---	---	---	---
TB060719	6/7/2019	WQ	Trip Blank		1	---	---	---	---	---
TB061019	6/10/2019	WQ	Trip Blank		1	---	---	---	---	---
TB061119-1	6/11/2019	WQ	Trip Blank		1	---	---	---	---	---
TB061119-2	6/11/2019	WQ	Trip Blank		1	---	---	---	---	---
TB061219	6/12/2019	WQ	Trip Blank		1	---	---	---	---	---
TB061219	6/21/2019	WQ	Trip Blank		1	---	---	---	---	---

Numbers in the grid represent the number of compounds reported in each analytical group.

Notes:

FD = Field duplicate
ID = Identification
MEE = Methane, ethane, ethene
N = Normal
FB = Field blank
MS/MSD - matrix spike / matrix spike duplicate
TB = Trip blank
VOC = Volatile organic compounds
WG = Groundwater
WQ = Water quality
The methods listed above are those included in the electronic data deliverables from the laboratories and are based on Standard operating procedures (SOPs) consistent with the sampling analysis plan requested methods. Division of Environmental Science and Assessment (DESA) used their internal laboratory SOPs.

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Table H-2
Data Usability Worksheet

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Table H-2 Data Usability Worksheet

Data Quality Indicators	QC Parameters Evaluated in Data Review/Validation
Precision	Relative Percent Difference (RPD) values of: 1) Laboratory Control sample (LCS)/LCS duplicate 2) Matrix Spike/Matrix Spike Duplicate (MS/MSD) 3) Field duplicates
Accuracy/Bias	Percent Recovery (% R) or Percent Difference (% D) values of: 1) Initial calibration and continuing calibration verification 2) LCS/LCSD 3) MS/MSD 4) Surrogate spikes (DMCs) 5) Serial dilution (Inductively Coupled Plasma [ICP] metals) 6) ICP inter-element interference check samples 7) Internal standards (Percent R and retention times) Results of: 1) Instrument and calibration blanks 2) Method (preparation) blanks 3) Trip blanks 4) Equipment rinsate blanks (field blanks)
Representativeness	Results of all blanks Sample integrity (Chain-of Custody and sample receipt forms) Holding times Compound identification (retention times, mass spectra) Sample extract cleanup
Comparability	Sample-specific method reporting limits (MRLs) Sample collection methods Laboratory analytical methods
Completeness	Data qualifiers Laboratory deliverables Requested/reported valid results Field sample collection (primary and QC samples) Contract compliance (i.e., method and instrument QC within limits)
Sensitivity	Sample reporting limits (RLs) Adequacy of sample dilution

Table H-2 Data Usability Worksheet

Activity	Comment
Field Sampling	
Discuss sampling problems and field conditions that affect data usability.	No field sampling issues were identified. There were no apparent problems or deviations from the field collection program that might affect data usability. No Field Change Requests (FCRs).
Are samples representative of receptor exposure for this medium (e.g. sample depth, grab versus composite, filtered versus unfiltered, low flow, etc.)?	The sampling design was developed to collect data representative of site conditions. Sample representativeness was achieved through the use of standard sampling procedures for EPA Region 2 (including decontamination of sampling equipment, the use of inert materials to collect samples, and the use of clean sample gloves), and the use of the United States Environmental Protection Agency (EPA) Contract Laboratory Program (CLP) and standard EPA-approved analytical methods. Sample temperatures were maintained between 0 to 6 degrees Celsius, and samples were received intact at the laboratories with the exceptions noted in the data validation reports and discussed below.
Assess the effect of field quality control (QC) results on data usability.	**Trip Blanks** – Acetone, chloroform, dibromochloromethane, m- & p-Xylenes, o-Xylene, and toluene detected in one or more Trip Blank samples at concentrations below CRQLs (Table H-3). Detected volatile samples with common analytes concentrations reported at less than the CRQLs were qualified U and sample concentrations were reported at the CRQLs. Non-detected compounds were not qualified. Acetone and chloroform were detected in one or more Trip Blank samples at concentrations above CRQLs. Detected volatile samples with common analyte concentrations reported at greater than or equal to the CRQLs and less than or equal to trip blank concentration were qualified U. Sample results less than CRQLs were qualified U. Sample concentrations were reported at the CRQLs. **Field Blanks** – 1,4-Dichlorobenzene, acetone, chlorobenzene, chloroform, chloromethane, o-xylene, toluene, alpha-BHC, 4,4'-DDE, cis-chlordane were detected in one or more field or rinse blank samples at concentrations below CRQLs (Table H-4). Analyte concentrations reported at less than the CRQLs were qualified U and sample concentrations were reported at the CRQLs. Non-detected compounds were not qualified. Chloroform and toluene was detected in one or more field or rinse blank samples at concentrations above CRQLs. Non-detected compounds were not qualified. Analyte results reported at less than CRQL were qualified U and sample concentrations were reported at the CRQLs. Aanalyte results reported at concentrations greater than or equal to the CRQL and less than or equal to the blank concentration were qualified U and sample concentrations were reported at the blank value. Acetone was detected in one field or rinse blank sample a concentrations less than 2x the CRQL. Non-detected compounds were not qualified. Analyte results reported at greater than 2X the CRQL and less than 4X the CRQL were qualified U and concentrations were reported at the CRQL. Aluminum, barium, copper, lead, and silver were detected in one or more field or rinse blank samples at concentrations greater than or equal to MDLs and less than or equal to CRQLs. Samples with analyte results greater than or equal to MDLs and less than or equal to CRQLs were qualified as U and sample results were reported at CRQLs. Zine was detected in one or more field or rinse blank samples at concentrations greater than CRQLs. Samples with concentrations less than or equal the CRQL were qualified as U and results were reported at CRQLs. Samples with concentrations greater than the CRQL but less than field blank analyte results were qualified as U and reported at the blank value. Samples with analyte results greater than CRQL but less than 10X field blank analyte results were qualified J. 19 PCB Congeners were detected at concentrations above the CRQL. PCB concener concentrations reported at less than CRQLs were qualified U and results were reported at CRQLs. **Field duplicate samples** – Field duplicate samples are discussed in the precision section below. For pesticides, one duplicate pair had an RPD of 172.1% for bulk in 177.7% in 4,4'-DDT, 174.8% in 4,4'-DDE, 200% in 4,4'-DDD, 113.7% in Gamma-BHC (lindane), 175.3% in chlordane and
Summarize the effect of field sampling issues on the data assessment, if applicable.	No field sampling issues were identified.

Table H-2 Data Usability Worksheet

Activity	Comment
Analytical Techniques	
Were the analytical methods appropriate for quantitative data assessment?	The analytical methods used to analyze the groundwater samples were appropriate for the long term monitoring program. The Quality Assurance Project Plan (QAPP) lists the analytical methods.
Were detection limits adequate?	The detection limits were low enough to compare the data with applicable QAPP criteria. Project action limits (PALs) include remedial goals for compounds listed as contaminants of concern (COCs) in the operable unit (OU) 3 record of decision (ROD, United States Environmental Protection Agency, Region 2). PALs for the evaluation of natural attenuation are from the Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water, EPA/600/R-98/128, September 1998. These PALs and quantitation limit goals were used to ensure that COCs met the lowest available method reporting limits. The sensitivity requirements listed in the QAPP were established to meet the data quality objectives of the groundwater monitoring. Sample reporting limits were at or below the required method sensitivity and the data are usable for their intended use with the exception of dibromochloromethane where the reporting limit is 0.4 µg/L and the screening level is 0.5 µg/L; alpha-BHC (PAL of 0.02 µg/L and CRQL of 0.05 µg/L); dieldren (PAL of 0.03 µg/L and CRQL of 0.05 µg/L). However, none of the listed are COCs at the site. Multiple results were not reported for individual analytes to account for multiple dilutions. As indicated in the QAPP, trace-level VOC analysis was conducted to meet the PALs where feasible. However, dilutions were necessitated by relatively high concentrations of site COCs (including 1,2,4-trichlorobenzene, TCE, PCE, cis-1,2-DCE, and vinyl chloride). Where possible and advantageous due to different concentration levels, results from analyses at different dilutions were reported for different VOCs in the same sample. However, as noted, for some VOCs in some samples, dilution resulted in reporting limits greater than the PALs, as the reporting limit must be multiplied by the dilution factor. Although the elevated reporting limits create some uncertainty regarding whether the actual concentrations of some VOCs exceeded PALs, it does not significantly impact the data usability with regard to the project objective of tracking the progress for achieving the site groundwater remediation goals, due to the high COC concentrations in affected samples.
Summarize the effect of analytical technique issues on the data assessment, if applicable.	There were no analytical technique issues that should affect data usability. Diluted samples had elevated detection limits. **Percent Relative Standard Deviation (% RSD) and Percent Difference (% D)** - % RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentration. % D compares the response factor of the continuing calibration check to the mean relative response factor (RRF) from the initial calibration. % D is a measure of the instrument's daily performance. A value outside of these limits indicates potential detection and quantitation errors. Associated detected sample results were estimated by the data validator.

Table H-2 Data Usability Worksheet

Activity	Comment
Reconciliation of Data Quality Objectives	
Precision - How were duplicates handled?	Field duplicates were collected as split samples. A criterion of 50 percent relative percent difference (RPD) applied when both results were greater than five times the CRQL for groundwater. For all other data, the absolute difference (ABS) should be equal to or less than five times the CRQL. Field duplicate samples are discussed in the precision section below. One duplicate pair had an RPD of 172.1% for deildrin, 177.1% in 4,4'-DDT, 174.8% in 4,4'-DDE, 200% in 4,4'-DDD, 113.7% in Gamma-BHC (lindane), 175.3% in chlordane and 172.8 in heptachlor epoxide). As
Accuracy - How were split samples handled?	Splits samples were not collected. Data accuracy was measured from laboratory control samples, matrix spikes/matrix spike duplicates, laboratory duplicates and surrogates. Blank evaluations also contributed to the determination of accuracy.
Representativeness - Indicate any problems associated with data representativeness (e.g., trip blank or rinsate blank contamination, chain of custody problems, etc.).	**Trip Blanks** Acetone was detected at a concentration above the CRQL in one sample. Bromodichloromethane and chloroform were detected above the CRQLs in 5 of 6 Trip Blank sample. Detected acetone, bromidichloromethane, and chloroform concentrations in analytical samples were U qualified accordingly. **Field Blanks** Zinc, acetone, chloroform, methylene chloride, toluene, and 19 PCB Congeners were detected at concentrations above the CRQL. Detected concentrations in analytical samples were U qualified or J-qualified (zinc) accordingly.
Completeness - Indicate any problems associated with data completeness (e.g., incorrect sample analysis, incomplete sample records, problems with field procedures, etc.).	Completeness of the data set was achieved by EA Engineering Science and Technology, Inc for the spring event. The overall goal was to generate a complete data set for at least 90 percent of the samples planned for collection and 90 percent valid data from the samples analyzed. The list of samples collected and parameters analyzed are shown on **Table 6** of this report. For data collected and judged to be valid, groundwater results had a completeness value of 99 percent. Sample analyses generally met the QC criteria with the exceptions noted in the data validation narratives. Results associated with QC outliers were appropriately qualified as estimated by data validators. These estimated data are usable for the intended project purposes. One hundred percent of the planned parameter samples were collected. The data set is complete based on planned samples.
Comparability - Indicate any problems associated with data comparability.	No problems were associated with data comparability.
Were the DQOs specified in the QAPP satisfied?	The data quality objectives (DQOs) identified in the QAPP were satisfied.
Summarize the effect of DQO issues on the data assessment, if applicable.	There are no DQO issues that should affect data usability.

Table H-2 Data Usability Worksheet

Data Validation and Interpretation	
Activity	**Comment**
What are the data validation requirements?	The data validation report provided by US EPA Region 2 states DQIs and corresponding QC parameters and the specific topics covered by the data validation review.
What method or guidance was used to validate the data?	The data validation criteria in the QAPP were applied: Standard operating procedure (SOP) HW-35, rev 2, and Division of Environmental Science and Assessment (DESA) SOP.
Was the data validation method consistent with guidance? Discuss any discrepancies.	The data validation method was consistent with regional guidance.
Were all data qualifiers defined? Discuss those which were not.	All data qualifiers were defined.
Which qualifiers represent useable data?	J, J+, J-, U, UJ, N, JEMPC.
Which qualifiers represent unusable data?	R
How are tentatively identified compounds handled?	These data were not evaluated under this study.
Summarize the effect of data validation and interpretation issues on the data assessment, if applicable.	Both qualified and unqualified data will be used unless determined otherwise during long term monitoring program evaluation.
Additional notes:	None.
Note: This Worksheet summarizes the data usability analysis and conclusions. Refer to specific pages in the Long Term Monitoring Program report for more details on the information presented here.	

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Table H-3
Trip Blank Results

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Table H-3 Spring 2019 Trip Blank Analytical Results

Volatile Organic Compounds	Contract Required Quantitation Limit	Project Action Limits	Sample Name	TB060419	TB060619	TB061119-1	TB061119-2	TB061219	TB062119
			Location ID	Trip Blank 1	Trip Blank 2	Trip Blank 3	Trip Blank 4	Trip Blank 5	Trip Blank 6
			Matrix	Deionized Water	Deionized Water	Deionized Water	Deionized Water	Deionized Water	Deionized Water
			Sample Date	6/4/2019	6/6/2019	6/11/2019	6/11/2019	6/12/2019	6/21/2019
1,1,1-Trichloroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2,2-Tetrachloroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	0.50	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethene	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,3-Trichlorobenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	0.50	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dibromo-3-Chloropropane	0.50	0.02	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dibromoethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	0.50	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloropropane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	0.50	75	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
2-Butanone	5.0	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	5.00	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
4-Methyl-2-Pentanone	5.00	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	5.00	NA	µg/L	**1.9 J**	**2.2 J**	**2.0 J**	**1.8 J**	**2.1 J**	**25**
Benzene	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Bromochloromethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 UJ	< 0.50 U	< 0.50 UJ	< 0.50 U
Bromodichloromethane	0.50	1	µg/L	**1.3**	**1.4**	**1.4**	**1.4**	**1.4**	< 0.50 U
Bromoform	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Bromomethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Disulfide	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chlorobenzene	0.50	50	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	0.50	70	µg/L	**6.4**	**6.7**	**7.0**	**6.7**	**6.6**	< 0.50 U
Chloromethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.31 J**
Cis-1,2-Dichloroethene	0.50	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,3-Dichloropropene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Cyclohexane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Dibromochloromethane	0.50	0.4	µg/L	**0.32 J**	**0.36 J**	**0.36 J**	**0.33 J**	**0.33 J**	< 0.50 U
Dichlorodifluoromethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Ethylbenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Isopropylbenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
m- & p-Xylenes	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.26 J**
Methyl Acetate	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	0.50	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylcyclohexane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Methylene Chloride	0.50	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
o-Xylene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	**0.19 J**
Styrene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Tetrachloroethene	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Toluene	0.50	NA	µg/L	**0.062 J**	**0.060 J**	**0.060 J**	**0.059 J**	**0.051 J**	**0.15 J**
Trans-1,2-Dichloroethene	0.50	100	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trans-1,3-Dichloropropene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trichloroethene	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Trichlorofluoromethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U	< 0.50 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = micrograms per liter
ID = Identification
NA = No Action
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
UJ = The analyte was not detected at a level greater than or equal to the adjusted contract required quantitation limit (CRQL). However, the reported adjusted CRQL is approximate and may be inaccurate or precise.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed the Contract Required Quantitation Limit.

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Table H-4
Field Blank Results

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Table H-4 Spring 2019 Field Blank Analytical Results

Analyte	Contract Required Quantitation Limit	Project Action Limit	Sample Name / Location ID / Matrix / Sample Date	FB060419 Field Blank 1 Deionized Water 6/4/2019	FB060519 Field Blank 2 Deionized Water 6/5/2019	FB060619 Field Blank 3 Deionized Water 6/6/2019	FB060720l9 Field Blank 4 Deionized Water 6/7/2019	FB061019 Field Blank 5 Deionized Water 6/10/2019	FB061119 Field Blank 6 Deionized Water 6/11/2019	FB061219 Field Blank 7 Deionized Water 6/12/2019	FB062119 Field Blank 8 Deionized Water 6/21/2019
Total Metals											
Aluminum	20	50	µg/L	--	--	< 20.0 U	**0.82 J**	< 20.0 U	**1.1 J**	< 20.0 U	--
Antimony	2	NA	µg/L	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--
Arsenic	1	3	µg/L	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--
Barium	10	2000	µg/L	--	--	**0.37 J**	**0.48 J**	< 10.0 U	< 10.0 U	< 10.0 U	--
Beryllium	1	NA	µg/L	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--
Cadmium	1	4	µg/L	--	--	< 1.0 U	**0.14 J**	< 1.0 U	< 1.0 U	< 1.0 U	--
Calcium	500	NA	µg/L	--	--	**21.3 J**	**46.7 J**	**7.3 J**	**7.5 J**	< 500 U	--
Chromium	2	70	µg/L	--	--	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	< 2.0 U	--
Cobalt	1	NA	µg/L	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--
Copper	2	NA	µg/L	--	--	**0.70 J**	**0.81 J**	**0.23 J**	**0.11 J**	< 2.0 U	--
Iron	200	300	µg/L	--	--	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	--
Lead	1	5	µg/L	--	--	**0.080 J**	**0.090 J**	**0.080 J**	**0.060 J**	< 1.0 U	--
Magnesium	500	NA	µg/L	--	--	< 500 U	**5.2 J**	< 500 U	< 500 U	< 500 U	--
Manganese	1	50	µg/L	--	--	**0.17 J**	**0.19 J**	< 1.0 U	< 1.0 U	< 1.0 U	--
Nickel	1	NA	µg/L	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--
Potassium	500	NA	µg/L	--	--	**38.9 J**	**44.7 J**	**11.2 J**	**5.4 J**	< 500 U	--
Selenium	5	NA	µg/L	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
Silver	1	NA	µg/L	--	--	**0.030 J**	< 1.0 U	**0.050 J**	< 1.0 U	< 1.0 U	--
Sodium	500	NA	µg/L	--	--	**97.3 J**	**130 J**	**50.8 J**	**36.7 J**	< 500 U	--
Thallium	1	NA	µg/L	--	--	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	--
Vanadium	5	NA	µg/L	--	--	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	< 5.0 U	--
Zinc	2	NA	µg/L	--	--	**12.5**	**8.4**	**10.4**	**9.1**	**9.0**	--
Pesticides											
4,4-DDD	0.050	0.1	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.050 U	--
4,4-DDE	0.050	0.1	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	**0.0011 J**	--
4,4-DDT	0.050	0.1	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	**0.0023 J**	--
Aldrin	0.030	NA	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.030 U	--
Alpha-BHC	0.030	0.02	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	**0.0011 J**	--
Alpha-Chlordane	0.030	NA	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	**0.0014 J**	--
Beta-BHC	0.030	0.04	µg/L	--	--	--	--	< 0.030 U	**0.0054 J**	< 0.030 U	--
Delta-BHC	0.030	NA	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.030 U	--
Dieldrin	0.050	0.03	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.050 U	--
Endosulfan I	0.030	NA	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.030 U	--
Endosulfan II	0.050	40	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.050 U	--
Endosulfan Sulfate	0.050	40	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.050 U	--
Endrin	0.050	NA	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.050 U	--
Endrin Aldehyde	0.030	NA	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.050 U	--
Endrin Ketone	0.030	NA	µg/L	--	--	--	--	< 0.050 U	< 0.050 UJ	< 0.050 U	--
Gamma-BHC (Lindane)	0.030	0.03	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.030 U	--
Gamma-Chlordane	0.030	0.5	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.030 U	--
Heptachlor	0.030	0.05	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.030 U	--
Heptachlor Epoxide	0.030	0.2	µg/L	--	--	--	--	< 0.030 U	< 0.030 UJ	< 0.030 U	--
Methoxychlor	2.030	40	µg/L	--	--	--	--	< 0.25 U	< 0.25 UJ	< 0.25 U	--
Toxaphene	5.030	NA	µg/L	--	--	--	--	< 2.5 U	< 2.5 UJ	< 2.5 U	--
Dioxins/ furans											
1,2,3,4,6,7,8-Heptachlorodibenzofuran	50	NA	pg/L	--	--	--	< 3.6 UJ	--	< 3.7 UJ	< 3.6 UJ	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	50	NA	pg/L	--	--	--	< 4.3 UJ	--	< 4.4 UJ	< 4.3 UJ	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	50	NA	pg/L	--	--	--	< 3.5 UJ	--	< 3.6 UJ	< 3.5 UJ	--
1,2,3,4,7,8-Hexachlorodibenzofuran	50	NA	pg/L	--	--	--	< 1.9 UJ	--	< 2.0 UJ	< 1.9 UJ	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	50	NA	pg/L	--	--	--	< 2.8 UJ	--	< 2.9 UJ	< 2.8 UJ	--
1,2,3,6,7,8-Hexachlorodibenzofuran	50	NA	pg/L	--	--	--	< 1.4 UJ	--	< 1.4 UJ	< 1.4 UJ	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	50	NA	pg/L	--	--	--	< 3.5 UJ	--	< 3.6 UJ	< 3.5 UJ	--
1,2,3,7,8,9-Hexachlorodibenzofuran (Hxcdf)	50	NA	pg/L	--	--	--	< 1.6 UJ	--	< 1.4 UJ	< 1.3 UJ	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	50	NA	pg/L	--	--	--	< 1.6 UJ	--	< 1.6 UJ	< 1.6 UJ	--
1,2,3,7,8-Pentachlorodibenzofuran	50	NA	pg/L	--	--	--	< 1.3 UJ	--	< 1.3 UJ	< 1.3 UJ	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	50	NA	pg/L	--	--	--	< 1.7 UJ	--	< 1.7 UJ	< 1.7 UJ	--
2,3,4,6,7,8-Hexachlorodibenzofuran	50	NA	pg/L	--	--	--	< 1.2 UJ	--	< 1.3 UJ	< 1.3 UJ	--
2,3,4,7,8-Pentachlorodibenzofuran	50	NA	pg/L	--	--	--	< 1.5 UJ	--	< 1.5 UJ	< 1.5 UJ	--
2,3,7,8-Tetrachlorodibenzodioxin	10	NA	pg/L	--	--	--	< 1.4 UJ	--	< 1.5 UJ	< 1.5 UJ	--
2,3,7,8-Tetrachlorodibenzofuran	10	NA	pg/L	--	--	--	< 1.2 UJ	--	< 1.2 UJ	< 0.95 UJ	--
Heptachlorodibenzo-p-dioxins	50	NA	pg/L	--	--	--	< 1.7 UJ	--	< 1.5 UJ	< 1.3 UJ	--
Ocdd (Octachlorodibenzo-4-Dioxin)	100	NA	pg/L	--	--	--	< 5.0 UJ	--	< 5.1 UJ	< 5.1 UJ	--
Ocdf (Octachlorodibenzofuran)	100	NA	pg/L	--	--	--	< 5.1 UJ	--	< 5.2 UJ	< 5.1 UJ	--
TEQ Who1998 Bird ND=LQL	NA	NA	pg/L	--	--	--	0	--	0	0	--
TEQ Who1998 Fish ND=LQL	NA	NA	pg/L	--	--	--	0	--	0	0	--
Total Hpcdfs	NA	NA	pg/L	--	--	--	< 3.5 UJ	--	< 3.6 UJ	< 3.5 UJ	--
Total Hxcdds	NA	NA	pg/L	--	--	--	< 1.3 UJ	--	< 1.3 UJ	< 1.0 UJ	--
Total Hxcdfs	NA	NA	pg/L	--	--	--	< 1.2 UJ	--	< 0.77 UJ	< 1.3 UJ	--
Total Pecdds	NA	NA	pg/L	--	--	--	< 1.1 UJ	--	< 1.2 UJ	< 1.7 UJ	--
Total Pecdfs	NA	NA	pg/L	--	--	--	< 0.58 UJ	--	< 0.53 UJ	< 0.45 UJ	--
Total Tcdds	NA	NA	pg/L	--	--	--	< 0.99 UJ	--	< 0.93 UJ	< 0.78 UJ	--
Total Tcdfs	NA	NA	pg/L	--	--	--	< 1.2 UJ	--	< 1.2 UJ	< 0.95 UJ	--
Total TEQ - Mammal	N/A	10	pg/L	--	--	--	0	--	0	0	--
VOCs											
1,1,1-Trichloroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2,2-Tetrachloroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 UJ	< 0.50 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,1,2-Trichloroethane	0.50	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,1-Dichloroethene	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,2,3-Trichlorobenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,2,4-Trichlorobenzene	0.50	9	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dibromo-3-Chloropropane	0.50	0.02	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dibromoethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichlorobenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloroethane	0.50	2	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,2-Dichloropropane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,3-Dichlorobenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
1,4-Dichlorobenzene	0.50	75	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	**0.12 J**	< 0.50 U	< 0.50 U
2-Butanone	5.0	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U
2-Hexanone	5.00	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U
4-Methyl-2-Pentanone	5.00	NA	µg/L	< 5.0 U	< 5.0 U	< 5.0 U	--	--	< 5.0 U	< 5.0 U	< 5.0 U
Acetone	5.00	NA	µg/L	**1.9 J**	**1.6 J**	**1.7 J**	--	--	**5.9**	**3.8 J**	**16**
Benzene	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Bromochloromethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 UJ	< 0.50 U
Bromodichloromethane	0.50	1	µg/L	**0.42 J**	**0.44 J**	**0.37 J**	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Bromoform	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Bromomethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Disulfide	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Carbon Tetrachloride	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Chlorobenzene	0.50	50	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	**0.039 J**	< 0.50 U	< 0.50 U
Chloroethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Chloroform	0.50	70	µg/L	**2.5**	**2.6**	**1.8**	--	--	**0.18 J**	**0.66**	< 0.50 U
Chloromethane	0.50	NA	µg/L	**0.12 J**	< 0.50 U	< 0.50 U	--	--	**0.15 J**	**0.24 J**	**0.42 J**
Cis-1,2-Dichloroethene	0.50	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Cis-1,3-Dichloropropene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Cyclohexane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Dibromochloromethane	0.50	0.4	µg/L	**0.084 J**	**0.087 J**	**0.070 J**	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Dichlorodifluoromethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Ethylbenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Isopropylbenzene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
m- & p-Xylenes	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	**0.41 J**	**0.30 J**
Methyl Acetate	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Methyl tert-Butyl Ether	0.50	70	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Methylcyclohexane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U

Analyte	Contract Required Quantitation Limit	Project Action Limit	Sample Name / Location ID / Matrix / Sample Date	FB060419 Field Blank 1 Deionized Water 6/4/2019	FB060519 Field Blank 2 Deionized Water 6/5/2019	FB060619 Field Blank 3 Deionized Water 6/6/2019	FB06072019 Field Blank 4 Deionized Water 6/7/2019	FB061019 Field Blank 5 Deionized Water 6/10/2019	FB061119 Field Blank 6 Deionized Water 6/11/2019	FB061219 Field Blank 7 Deionized Water 6/12/2019	FB062119 Field Blank 8 Deionized Water 6/21/2019
Methylene Chloride	0.50	3	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	**1.3**	< 0.50 U
o-Xylene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	**0.34 J**	**0.16 J**
Styrene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	**0.16 J**	< 0.50 U
Tetrachloroethene	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Toluene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	**0.57**	**0.15 J**
Trans-1,2-Dichloroethene	0.50	100	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Trans-1,3-Dichloropropene	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Trichloroethene	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 UJ	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Trichlorofluoromethane	0.50	NA	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
Vinyl Chloride	0.50	1	µg/L	< 0.50 U	< 0.50 U	< 0.50 U	--	--	< 0.50 U	< 0.50 U	< 0.50 U
PCBs											
Aroclor 1016	0.20	0.5	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
Aroclor 1221	0.20	NA	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
Aroclor 1232	0.20	NA	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
Aroclor 1242	0.20	NA	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
Aroclor 1248	0.20	0.5	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
Aroclor 1254	0.20	0.5	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
Aroclor 1260	0.20	NA	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
Aroclor 1262	0.20	NA	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
Aroclor 1268	0.20	NA	µg/L	< 0.20 U	< 0.21 U	< 0.20 U	--	< 0.20 U	< 0.20 U	< 0.20 U	--
PCB Congeners											
Dichlorobiphenyl (Total Dicb)	N/A	NA	pg/L	--	--	--	**56 J**	--	**70 J**	**590 J**	--
Heptachlorobiphenyls, Total	N/A	NA	pg/L	--	--	--	**7.0 J**	--	**2.8 J**	**7.2 J**	--
Hexachlorobiphenyls, Total	N/A	NA	pg/L	--	--	--	**70 J**	--	**7.4 J**	**110 J**	--
Monochlorobiphenyl (Total Mocb)	N/A	NA	pg/L	--	--	--	**14 J**	--	**11 J**	**54 J**	--
Nonachlorobipheny (Total Nocb)	N/A	NA	pg/L	--	--	--	< 0 U	--	< 0 U	< 0 U	--
Octachlorobiphenyl (Total Occb)	N/A	NA	pg/L	--	--	--	**2.0 J**	--	< 0 U	**1.7 J**	--
PCB 10	20	NA	pg/L	--	--	--	< 2.9 U	--	< 2.5 U	**7.7 J**	--
PCB 103	20	NA	pg/L	--	--	--	< 3.2 U	--	< 2.3 U	< 2.3 U	--
PCB 104	20	NA	pg/L	--	--	--	< 1.6 U	--	< 1.3 U	< 1.0 U	--
PCB 105	20	NA	pg/L	--	--	--	**8.8 J**	--	< 4.2 U	**19 J**	--
PCB 106	20	NA	pg/L	--	--	--	< 3.5 U	--	< 2.6 U	< 2.4 U	--
PCB 107	20	NA	pg/L	--	--	--	< 2.7 U	--	< 2.0 U	< 1.9 U	--
PCB 108/PCB 124	20	NA	pg/L	--	--	--	< 3.2 U	--	< 2.4 U	< 2.2 U	--
PCB 11	20	NA	pg/L	--	--	--	< 5.2 U	--	**30**	**36**	--
PCB 110/PCB 115	20	NA	pg/L	--	--	--	**33 J**	--	**7.4 J**	**54**	--
PCB 111	20	NA	pg/L	--	--	--	< 2.7 U	--	< 1.9 U	< 1.9 U	--
PCB 112	20	NA	pg/L	--	--	--	< 3.2 U	--	< 2.3 U	< 2.3 U	--
PCB 114	20	NA	pg/L	--	--	--	< 3.2 U	--	< 2.4 U	< 2.4 U	--
PCB 118	20	NA	pg/L	--	--	--	**23**	--	< 5.7 U	**51**	--
PCB 12/PCB 13	20	NA	pg/L	--	--	--	< 5.1 U	--	< 3.8 U	**11 J**	--
PCB 120	20	NA	pg/L	--	--	--	< 2.8 U	--	< 2.0 U	< 2.0 U	--
PCB 121	20	NA	pg/L	--	--	--	< 2.6 U	--	< 1.9 U	< 1.9 U	--
PCB 122	20	NA	pg/L	--	--	--	< 3.4 U	--	< 2.5 U	< 2.3 U	--
PCB 123	20	NA	pg/L	--	--	--	< 3.1 U	--	< 2.3 U	< 2.1 U	--
PCB 126	20	NA	pg/L	--	--	--	< 3.4 U	--	< 2.5 U	< 2.4 U	--
PCB 127	20	NA	pg/L	--	--	--	< 3.1 U	--	< 2.3 U	< 2.1 U	--
PCB 128/PCB 166	20	NA	pg/L	--	--	--	**4.0 J**	--	< 2.4 U	**5.1 J**	--
PCB 129/ PCB 138/PCB 163	20	NA	pg/L	--	--	--	**21 J**	--	**4.0 J**	**33 J**	--
PCB 130	20	NA	pg/L	--	--	--	< 4.7 U	--	< 3.0 U	< 3.2 U	--
PCB 131	20	NA	pg/L	--	--	--	< 4.6 U	--	< 3.0 U	< 3.2 U	--
PCB 132	20	NA	pg/L	--	--	--	**7.3 J**	--	< 2.7 U	**8.2 J**	--
PCB 133	20	NA	pg/L	--	--	--	< 4.1 U	--	< 2.7 U	< 2.8 U	--
PCB 134	20	NA	pg/L	--	--	--	< 4.7 U	--	< 3.1 U	< 3.3 U	--
PCB 135/PCB 151	20	NA	pg/L	--	--	--	**5.5 J**	--	< 1.8 U	**7.3 J**	--
PCB 136	20	NA	pg/L	--	--	--	**3.4 J**	--	< 1.3 U	**3.5 J**	--
PCB 137	20	NA	pg/L	--	--	--	< 3.6 U	--	< 2.4 U	< 2.5 U	--
PCB 139/PCB 140	20	NA	pg/L	--	--	--	< 3.7 U	--	< 2.4 U	< 2.5 U	--
PCB 14	20	NA	pg/L	--	--	--	< 4.9 U	--	< 3.6 U	< 3.2 U	--
PCB 141	20	NA	pg/L	--	--	--	< 4.5 U	--	< 2.9 U	**4.5 J**	--
PCB 142	20	NA	pg/L	--	--	--	< 4.6 U	--	< 3.0 U	< 3.1 U	--
PCB 143	20	NA	pg/L	--	--	--	< 4.5 U	--	< 2.9 U	< 3.1 U	--
PCB 144	20	NA	pg/L	--	--	--	< 2.3 U	--	< 1.8 U	< 2.1 U	--
PCB 145	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.3 U	< 1.5 U	--
PCB 146	20	NA	pg/L	--	--	--	< 3.4 U	--	< 2.2 U	**3.1 J**	--
PCB 147/PCB 149	20	NA	pg/L	--	--	--	**12 J**	--	< 2.6 U	**16 J**	--
PCB 148	20	NA	pg/L	--	--	--	< 2.3 U	--	< 1.7 U	< 2.0 U	--
PCB 15	20	NA	pg/L	--	--	--	< 6.0 U	--	< 4.4 U	**94**	--
PCB 150	20	NA	pg/L	--	--	--	< 1.6 U	--	< 1.2 U	< 1.4 U	--
PCB 152	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.3 U	< 1.5 U	--
PCB 153/PCB 168	20	NA	pg/L	--	--	--	**13 J**	--	**3.4 J**	**21 J**	--
PCB 154	20	NA	pg/L	--	--	--	< 2.0 U	--	< 1.5 U	< 1.8 U	--
PCB 155	20	NA	pg/L	--	--	--	< 1.6 U	--	< 1.2 U	< 1.4 U	--
PCB 156/PCB 157	20	NA	pg/L	--	--	--	**4.2 J**	--	< 3.0 U	**5.5 J**	--
PCB 158	20	NA	pg/L	--	--	--	< 3.0 U	--	< 1.9 U	**3.8 J**	--
PCB 159	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.4 U	< 1.4 U	--
PCB 16	20	NA	pg/L	--	--	--	**9.7 J**	--	**5.8 J**	**60**	--
PCB 160	20	NA	pg/L	--	--	--	< 3.7 U	--	< 2.4 U	< 2.5 U	--
PCB 161	20	NA	pg/L	--	--	--	< 3.4 U	--	< 2.2 U	< 2.3 U	--
PCB 162	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.3 U	< 1.4 U	--
PCB 164	20	NA	pg/L	--	--	--	< 3.6 U	--	< 2.3 U	< 2.4 U	--
PCB 165	20	NA	pg/L	--	--	--	< 3.3 U	--	< 2.1 U	< 2.2 U	--
PCB 167	20	NA	pg/L	--	--	--	**2.1 J**	--	< 2.0 U	**2.4 J**	--
PCB 169	20	NA	pg/L	--	--	--	< 3.2 U	--	< 3.2 U	< 3.2 U	--
PCB 17	20	NA	pg/L	--	--	--	**5.7 J**	--	**4.9 J**	**57**	--
PCB 170	20	NA	pg/L	--	--	--	< 2.7 U	--	< 2.3 U	**3.1 J**	--
PCB 171/PCB173	20	NA	pg/L	--	--	--	< 2.6 U	--	< 2.2 U	< 2.2 U	--
PCB 172	20	NA	pg/L	--	--	--	< 2.7 U	--	< 2.2 U	< 2.2 U	--
PCB 174	20	NA	pg/L	--	--	--	< 2.5 U	--	< 2.1 U	< 2.1 U	--
PCB 175	20	NA	pg/L	--	--	--	< 2.3 U	--	< 1.8 U	< 1.7 U	--
PCB 176	20	NA	pg/L	--	--	--	< 1.8 U	--	< 1.4 U	< 1.3 U	--
PCB 177	20	NA	pg/L	--	--	--	< 2.5 U	--	< 2.1 U	< 2.1 U	--
PCB 178	20	NA	pg/L	--	--	--	< 2.4 U	--	< 1.9 U	< 1.8 U	--
PCB 179	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.3 U	**1.3 J**	--
PCB 18/PCB 30	20	NA	pg/L	--	--	--	**16 J**	--	**10 J**	**120**	--
PCB 180/PCB 193	20	NA	pg/L	--	--	--	**4.7 J**	--	**2.8 J**	< 1.9 U	--
PCB 181	20	NA	pg/L	--	--	--	< 2.2 U	--	< 1.8 U	< 1.9 U	--
PCB 182	20	NA	pg/L	--	--	--	< 2.4 U	--	< 1.8 U	< 1.7 U	--
PCB 183/185	20	NA	pg/L	--	--	--	< 2.2 U	--	< 1.9 U	< 1.9 U	--
PCB 184	20	NA	pg/L	--	--	--	< 1.6 U	--	< 1.2 U	< 1.2 U	--
PCB 186	20	NA	pg/L	--	--	--	< 1.8 U	--	< 1.4 U	< 1.3 U	--
PCB 187	20	NA	pg/L	--	--	--	**2.3 J**	--	< 1.7 U	**2.8 J**	--
PCB 188	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.3 U	< 1.3 U	--
PCB 189	20	NA	pg/L	--	--	--	< 1.9 U	--	< 1.9 U	< 1.9 U	--
PCB 19	20	NA	pg/L	--	--	--	**5.1 J**	--	**3.2 J**	**16 J**	--
PCB 190	20	NA	pg/L	--	--	--	< 2.0 U	--	< 1.7 U	< 1.7 U	--
PCB 191	20	NA	pg/L	--	--	--	< 2.0 U	--	< 1.6 U	< 1.7 U	--
PCB 192	20	NA	pg/L	--	--	--	< 2.0 U	--	< 1.7 U	< 1.7 U	--
PCB 194	20	NA	pg/L	--	--	--	**2.0 J**	--	< 1.5 U	**1.7 J**	--
PCB 195	20	NA	pg/L	--	--	--	< 1.8 U	--	< 1.7 U	< 1.4 U	--
PCB 196	20	NA	pg/L	--	--	--	< 2.1 U	--	< 1.7 U	< 1.4 U	--
PCB 197/200	20	NA	pg/L	--	--	--	< 1.5 U	--	< 1.2 U	< 1.0 U	--
PCB 198/ PCB 199	20	NA	pg/L	--	--	--	< 2.1 U	--	< 1.7 U	< 1.4 U	--
PCB 2	20	NA	pg/L	--	--	--	< 0.67 U	--	< 0.65 U	**3.5 J**	--
PCB 20/PCB 28	20	NA	pg/L	--	--	--	**10 J**	--	**6.7 J**	**160**	--
PCB 201	20	NA	pg/L	--	--	--	< 1.5 U	--	< 1.2 U	< 1.0 U	--
PCB 202	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.3 U	< 1.1 U	--

Analyte	Contract Required Quantitation Limit	Project Action Limit	Sample Name	FB060419	FB060519	FB060619	FB06072019	FB061019	FB061119	FB061219	FB062119
			Location ID	Field Blank 1	Field Blank 2	Field Blank 3	Field Blank 4	Field Blank 5	Field Blank 6	Field Blank 7	Field Blank 8
			Matrix	Deionized Water	Deionized Water	Deionized Water	Deionized Water	Deionized Water	Deionized Water	Deionized Water	Deionized Water
			Sample Date	6/4/2019	6/5/2019	6/6/2019	6/7/2019	6/10/2019	6/11/2019	6/12/2019	6/21/2019
PCB 203	20	NA	pg/L	--	--	--	< 2.0 U	--	< 1.6 U	< 1.4 U	--
PCB 204	20	NA	pg/L	--	--	--	< 1.5 U	--	< 1.2 U	< 1.0 U	--
PCB 205	20	NA	pg/L	--	--	--	< 1.2 U	--	< 1.1 U	< 0.94 U	--
PCB 206	20	NA	pg/L	--	--	--	< 2.2 U	--	< 2.2 U	< 1.9 U	--
PCB 207	20	NA	pg/L	--	--	--	< 2.0 U	--	< 2.0 U	< 1.8 U	--
PCB 208	20	NA	pg/L	--	--	--	< 2.1 U	--	< 2.0 U	< 1.9 U	--
PCB 209 (Decachlorobiphenyl)	20	NA	pg/L	--	--	--	< 1.3 U	--	< 1.2 U	< 1.1 U	--
PCB 21/PCB 33	20	NA	pg/L	--	--	--	**7.4 J**	--	**4.6 J**	**98**	--
PCB 22	20	NA	pg/L	--	--	--	**4.1 J**	--	**3.1 J**	**55**	--
PCB 23	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.6 U	< 1.2 U	--
PCB 24	20	NA	pg/L	--	--	--	< 1.5 U	--	< 1.5 U	**2.6 J**	--
PCB 25	20	NA	pg/L	--	--	--	< 1.6 U	--	< 1.5 U	**13 J**	--
PCB 26/PCB 29	20	NA	pg/L	--	--	--	**3.1 J**	--	**2.1 J**	**27 J**	--
PCB 27	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.7 U	**8.9 J**	--
PCB 3	20	NA	pg/L	--	--	--	**3.4 J**	--	**2.4 J**	**11 J**	--
PCB 31	20	NA	pg/L	--	--	--	**10 J**	--	**6.7 J**	**140**	--
PCB 32	20	NA	pg/L	--	--	--	**4.6 J**	--	**2.6 J**	**33**	--
PCB 34	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.7 U	< 1.2 U	--
PCB 35	20	NA	pg/L	--	--	--	< 2.0 U	--	< 1.6 U	**2.3 J**	--
PCB 36	20	NA	pg/L	--	--	--	< 1.8 U	--	< 1.4 U	< 1.5 U	--
PCB 37	20	NA	pg/L	--	--	--	**2.5 J**	--	< 1.8 U	**48**	--
PCB 38	20	NA	pg/L	--	--	--	< 1.9 U	--	< 1.5 U	< 1.5 U	--
PCB 39	20	NA	pg/L	--	--	--	< 1.7 U	--	< 1.4 U	< 1.4 U	--
PCB 4	20	NA	pg/L	--	--	--	**38**	--	**27**	**150**	--
PCB 40/PCB 71	20	NA	pg/L	--	--	--	< 4.4 U	--	< 2.4 U	**17 J**	--
PCB 41	20	NA	pg/L	--	--	--	< 5.3 U	--	< 2.9 U	**6.8 J**	--
PCB 42	20	NA	pg/L	--	--	--	< 5.5 U	--	< 3.0 U	**12 J**	--
PCB 43	20	NA	pg/L	--	--	--	< 5.9 U	--	< 3.2 U	< 5.5 U	--
PCB 44/PCB 47/PCB 65	20	NA	pg/L	--	--	--	**16 J**	--	**6.5 J**	**47 J**	--
PCB 45/ PCB 51	20	NA	pg/L	--	--	--	**4.6 J**	--	< 1.4 U	**9.6 J**	--
PCB 46	20	NA	pg/L	--	--	--	**2.0 J**	--	< 1.6 U	**3.0 J**	--
PCB 48	20	NA	pg/L	--	--	--	< 4.5 U	--	< 2.4 U	**11 J**	--
PCB 49/PCB 69	20	NA	pg/L	--	--	--	< 4.2 U	--	**3.8 J**	**29 J**	--
PCB 5	20	NA	pg/L	--	--	--	< 5.4 U	--	< 4.0 U	**5.2 J**	--
PCB 50/PCB 53	20	NA	pg/L	--	--	--	**3.6 J**	--	**1.9 J**	**7.0 J**	--
PCB 52	20	NA	pg/L	--	--	--	**32**	--	**13 J**	**65**	--
PCB 54	20	NA	pg/L	--	--	--	**1.7 J**	--	< 0.79 U	**1.1 J**	--
PCB 55	20	NA	pg/L	--	--	--	< 3.0 U	--	< 1.7 U	< 2.7 U	--
PCB 56	20	NA	pg/L	--	--	--	**3.7 J**	--	**1.7 J**	**22**	--
PCB 57	20	NA	pg/L	--	--	--	< 2.8 U	--	< 1.6 U	< 2.6 U	--
PCB 58	20	NA	pg/L	--	--	--	< 2.7 U	--	< 1.5 U	< 2.5 U	--
PCB 59/PCB 62/PCB 75	20	NA	pg/L	--	--	--	< 3.5 U	--	< 1.9 U	**5.4 J**	--
PCB 6	20	NA	pg/L	--	--	--	< 4.8 U	--	< 3.5 U	**49**	--
PCB 60	20	NA	pg/L	--	--	--	< 2.7 U	--	< 1.6 U	**14 J**	--
PCB 61/PCB 70/PCB 74/PCB 76	20	NA	pg/L	--	--	--	**24 J**	--	**7.4 J**	**99**	--
PCB 63	20	NA	pg/L	--	--	--	< 2.6 U	--	< 1.5 U	< 2.4 U	--
PCB 64	20	NA	pg/L	--	--	--	**5.3 J**	--	< 2.0 U	**19 J**	--
PCB 66	20	NA	pg/L	--	--	--	**6.0 J**	--	**2.9 J**	**43**	--
PCB 67	20	NA	pg/L	--	--	--	< 2.4 U	--	< 1.4 U	**2.6 J**	--
PCB 68	20	NA	pg/L	--	--	--	< 2.4 U	--	< 1.4 U	< 2.2 U	--
PCB 7	20	NA	pg/L	--	--	--	< 4.7 U	--	< 3.5 U	**8.5 J**	--
PCB 72	20	NA	pg/L	--	--	--	< 2.7 U	--	< 1.5 U	< 2.5 U	--
PCB 73	20	NA	pg/L	--	--	--	< 3.4 U	--	< 1.9 U	< 3.2 U	--
PCB 77	20	NA	pg/L	--	--	--	< 2.9 U	--	< 1.9 U	**5.6 J**	--
PCB 78	20	NA	pg/L	--	--	--	< 2.9 U	--	< 1.7 U	< 2.7 U	--
PCB 79	20	NA	pg/L	--	--	--	< 2.4 U	--	< 1.4 U	< 2.3 U	--
PCB 8	20	NA	pg/L	--	--	--	**19 J**	--	**13 J**	**210**	--
PCB 80	20	NA	pg/L	--	--	--	< 2.4 U	--	< 1.4 U	< 2.3 U	--
PCB 81	20	NA	pg/L	--	--	--	< 2.9 U	--	< 1.6 U	< 2.6 U	--
PCB 82	20	NA	pg/L	--	--	--	< 4.3 U	--	< 3.1 U	**5.6 J**	--
PCB 83	20	NA	pg/L	--	--	--	< 3.9 U	--	< 2.8 U	**4.5 J**	--
PCB 84	20	NA	pg/L	--	--	--	**7.9 J**	--	< 2.8 U	**11 J**	--
PCB 85/PCB 116/PCB 117	20	NA	pg/L	--	--	--	**6.7 J**	--	< 2.2 U	**11 J**	--
PCB 86/PCB 87/PCB 97/PCB 109/PCB 119	20	NA	pg/L	--	--	--	**22 J**	--	**5.4 J**	**34 J**	--
PCB 88/PCB 91	20	NA	pg/L	--	--	--	**6.3 J**	--	< 2.5 U	**6.4 J**	--
PCB 89	20	NA	pg/L	--	--	--	< 3.8 U	--	< 2.8 U	< 2.7 U	--
PCB 9	20	NA	pg/L	--	--	--	< 5.0 U	--	< 3.7 U	**17 J**	--
PCB 90/PCB 101/PCB 113	20	NA	pg/L	--	--	--	**29 J**	--	**6.2 J**	**48 J**	--
PCB 92	20	NA	pg/L	--	--	--	**6.2 J**	--	< 2.7 U	**8.6 J**	--
PCB 93/PCB 100	20	NA	pg/L	--	--	--	< 3.3 U	--	< 2.4 U	< 2.4 U	--
PCB 94	20	NA	pg/L	--	--	--	< 3.6 U	--	< 2.6 U	< 2.6 U	--
PCB 95	20	NA	pg/L	--	--	--	**25**	--	< 2.5 U	**32**	--
PCB 96	20	NA	pg/L	--	--	--	< 1.6 U	--	< 1.3 U	< 1.0 U	--
PCB 98/PCB 102	20	NA	pg/L	--	--	--	< 3.7 U	--	< 2.7 U	< 2.6 U	--
PCB 99	20	NA	pg/L	--	--	--	**12 J**	--	< 2.1 U	**19 J**	--
PCB1 (2-Chlorobiphenyl)	20	NA	pg/L	--	--	--	**10 J**	--	**9.0 J**	**39**	--
Pentachlorobiphenyls, Total	N/A	NA	pg/L	--	--	--	**180 J**	--	**19 J**	**310 J**	--
TEQ Who1998 Bird ND=LQL	N/A	NA	pg/L	--	--	--	**0.0015**	--	**0**	**0.28**	--
TEQ Who1998 Fish ND=LQL	N/A	NA	pg/L	--	--	--	**0.00018**	--	**0**	**0.00095**	--
Tetrachlorobiphenyl (Total Tecb)	N/A	NA	pg/L	--	--	--	**99 J**	--	**37 J**	**420 J**	--
Total PCBs	N/A	NA	pg/L	--	--	--	**510 J**	--	**200 J**	**2300 J**	--
Total TEQ - Mammal	N/A	NA	pg/L	--	--	--	**0.0011**	--	**0**	**0.0029**	--
Trichlorobiphenyl (Total Trcb)	N/A	NA	pg/L	--	--	--	**79 J**	--	**50 J**	**830 J**	--

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
µg/L = micrograms per liter
pg/L = picograms per liter
ID = Identification
VOC = volatile organic compounds
PCB = polychlorinated biphenyls
N/A = No Action.
--- = Not applicable.
U = The analyte was not detected at or above the Reporting Limit..
J = The identification of the analyte is acceptable; the reported value is an estimate.
UJ = The anlayte was not detected at a level greater than or equal to the adjusted contract required quantitaion limit (CRQL). However, the reported adjusted CRQL is approximate and may be innacurate or precise.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed CRQLs.

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Table H-5
Field Duplicate Results

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Table H-5 Spring 2019 Duplicate Analytical Results PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

		Sample Name	LTM03-ERT1-3-S19	FD061019			LTM03-ERT7-4-S19	FD060619			LTM03-MW06-SH-S19	FD061119			LTM03-MW13-4-S19	FD060519-3			LTM03-MW14D-2-S19	FD061219-1		
		Location Identification	ERT1-3	ERT1-3			ERT7-4	ERT7-4			MW06	MW06			MW13-4	MW13-4			MW14D-2	MW-14D-2		
		Depth (feet)	46-56	46-56			100-110	100-110			29-44	29-44			95-105	95-105			123-133	123-133		
		Matrix	Groundwater	Groundwater			Groundwater	Groundwater			Groundwater	Groundwater			Groundwater	Groundwater			Groundwater	Groundwater		
		Sample Date	6/10/2019	6/10/2019	RPD	ABS	6/6/2019	6/6/2019	RPD	ABS	6/11/2019	6/11/2019	RPD	ABS	6/5/2019	6/5/2019	RPD	ABS	6/12/2019	6/12/2019	RPD	ABS
Analyte	**Project Action Limit (µg/L)**	**Units**																				
PCBs																						
Aroclor 1016	0.5	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1221	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1232	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1242	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	**29 J**	**25**	14.815	4	--	--	--	--	**77 J**	**85 J**	9.8765	8
Aroclor 1248	0.5	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1254	0.5	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	**11 J**	**12 J**	8.6957	1
Aroclor 1260	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1262	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1268	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Pesticides																						
4,4-DDD	0.1	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	< 0.050 UJ	**0.90 JN**	200	0.9
4,4-DDE	0.1	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	**0.41 JN**	**6.1 JN**	174.81	5.69
4,4-DDT	0.1	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	**0.044 J**	**0.029 J**	41.096	0.015	--	--	--	--	**1.7 J**	**28 J**	177.1	26.3
Aldrin	NA	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**0.35 JN**	**R**	NC	NC
Alpha-BHC	0.02	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	< 0.030 UJ	< 0.30 UJ	NC	NC
Alpha-Chlordane	NA	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**0.67 J**	**8.1 J**	169.44	7.43
Beta-BHC	0.04	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**R**	< 0.30 UJ	NC	NC
Delta-BHC	NA	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**R**	**R**	NC	NC
Dieldrin	0.03	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	**0.038 J**	**0.028 J**	30.303	0.01	--	--	--	--	**1.8 J**	**24 J**	172.09	22.2
Endosulfan I	NA	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**R**	**R**	NC	NC
Endosulfan II	40	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	< 0.050 UJ	< 0.50 UJ	NC	NC
Endosulfan Sulfate	40	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	**0.051 JN**	< 0.50 UJ	NC	NC
Endrin	NA	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	**R**	**R**	NC	NC
Endrin Aldehyde	NA	µg/L	< 0.051 U	**0.0051 J**	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	**0.20 J**	**2.5 J**	170.37	2.3
Endrin Ketone	NA	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	< 0.050 UJ	**R**	NC	NC
Gamma-BHC (Lindane)	0.03	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	**R**	**0.15 NJ**	6.8966	0.01	--	--	--	--	**R**	**R**	NC	NC
Gamma-Chlordane	0.5	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**0.50 JN**	**7.6 JN**	175.31	7.1
Heptachlor	0.05	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	< 0.030 UJ	< 0.30 UJ	NC	NC
Heptachlor Epoxide	0.2	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**R**	**R**	NC	NC
Methoxychlor	40	µg/L	< 0.25 U	< 0.25 UJ	NC	NC	--	--	--	--	< 0.25 UJ	< 0.25 U	NC	NC	--	--	--	--	< 0.25 UJ	< 2.5 UJ	NC	NC
Toxaphene	NA	µg/L	< 2.5 U	< 2.5 UJ	NC	NC	--	--	--	--	< 2.5 UJ	< 2.5 U	NC	NC	--	--	--	--	< 2.5 UJ	< 25 UJ	NC	NC
Total Metals																						
Aluminum	50	µg/L	--	--	--	--	--	--	--	--	**772**	**753**	2.4918	19	< 20.0 U	< 20.0 U	NC	NC	--	--	--	--
Antimony	NA	µg/L	--	--	--	--	--	--	--	--	< 2.0 U	< 2.0 U	NC	NC	< 2.0 U	< 2.0 U	NC	NC	--	--	--	--
Arsenic	3	µg/L	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NC	NC	**2.7**	**2.9**	7.1429	0.2	--	--	--	--
Barium	2000	µg/L	--	--	--	--	--	--	--	--	**78.3**	**73.8**	5.9172	4.5	**143**	**158**	9.9668	15	--	--	--	--
Beryllium	NA	µg/L	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NC	NC	< 1.0 U	< 1.0 U	NC	NC	--	--	--	--
Cadmium	4	µg/L	--	--	--	--	--	--	--	--	**0.29 J**	**0.55 J**	61.905	0.26	< 1.0 U	< 1.0 U	NC	NC	--	--	--	--
Calcium	NA	µg/L	--	--	--	--	--	--	--	--	**200,000**	**188,000**	6.1856	12000	**56,500**	**55,800**	1.2467	700	--	--	--	--
Chromium	70	µg/L	--	--	--	--	--	--	--	--	**5.1**	**5.2**	1.9417	0.1	< 2.0 U	**0.050 J**	NC	NC	--	--	--	--
Cobalt	NA	µg/L	--	--	--	--	--	--	--	--	**1.6**	**1.5**	6.4516	0.1	**0.040 J**	**0.070 J**	54.545	0.03	--	--	--	--
Copper	NA	µg/L	--	--	--	--	--	--	--	--	**8.3**	**7.9**	4.9383	0.4	**4.6**	**10.1**	74.83	5.5	--	--	--	--
Iron	300	µg/L	--	--	--	--	--	--	--	--	**2,600**	**2,530**	2.729	70	< 200 U	**206**	NC	NC	--	--	--	--
Lead	5	µg/L	--	--	--	--	--	--	--	--	**1.4**	**1.2**	15.385	0.2	**4.4**	**6.3**	35.514	1.9	--	--	--	--
Magnesium	NA	µg/L	--	--	--	--	--	--	--	--	**19,900**	**19,600**	1.519	300	**19,400**	**20,300**	4.534	900	--	--	--	--
Manganese	50	µg/L	--	--	--	--	--	--	--	--	**143**	**142**	0.7018	1	**7.3**	**7.9**	7.8947	0.6	--	--	--	--
Nickel	NA	µg/L	--	--	--	--	--	--	--	--	**8.2**	**8.2**	0	0	**0.79 J**	**1.6**	67.782	0.81	--	--	--	--
Potassium	NA	µg/L	--	--	--	--	--	--	--	--	**2,450**	**2,450**	0	0	**1,330**	**1,420**	6.5455	90	--	--	--	--
Selenium	NA	µg/L	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	NC	NC	< 5.0 U	< 5.0 U	NC	NC	--	--	--	--
Silver	NA	µg/L	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NC	NC	< 1.0 U	< 1.0 U	NC	NC	--	--	--	--
Sodium	NA	µg/L	--	--	--	--	--	--	--	--	**40,300**	**40,000**	0.7472	300	**12,300**	**12,700**	3.2	400	--	--	--	--
Thallium	NA	µg/L	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NC	NC	< 1.0 U	< 1.0 U	NC	NC	--	--	--	--
Vanadium	NA	µg/L	--	--	--	--	--	--	--	--	**6.1**	**5.9**	3.3333	0.2	**7.1**	**7.0**	1.4184	0.1	--	--	--	--
Zinc	NA	µg/L	--	--	--	--	--	--	--	--	**5130**	**5,030**	1.9685	100	**15.8**	**41.2**	89.123	25.4	--	--	--	--

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
ABS = Absolute Difference
RPD = Relative Percent Difference
µg/L = Micrograms per liter
< = less than the Reporting Limit.
NC = Not calculated.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

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Table H-5 Spring 2019 Duplicate Analytical Results PCB Aroclors, Pesticides, and TAL Metals Groundwater Analytical Results

	Sample Name		LTM03-ERT1-3-S19	FD061019			LTM03-ERT7-4-S19	FD060619			LTM03-MW06-SH-S19	FD061119			LTM03-MW13-4-S19	FD060519-3			LTM03-MW14D-2-S19	FD061219-1		
	Location Identification		ERT1-3	ERT1-3			ERT7-4	ERT7-4			MW06	MW06			MW13-4	MW13-4			MW14D-2	MW14D-2		
	Depth (feet)		46-56	46-56			100-110	100-110			29-44	29-44			95-105	95-105			123-133	123-133		
	Matrix		Groundwater	Groundwater			Groundwater	Groundwater			Groundwater	Groundwater			Groundwater	Groundwater			Groundwater	Groundwater		
	Sample Date		6/10/2019	6/10/2019	**RPD**	**ABS**	6/6/2019	6/6/2019	**RPD**	**ABS**	6/11/2019	6/11/2019	**RPD**	**ABS**	6/5/2019	6/5/2019	**RPD**	**ABS**	6/12/2019	6/12/2019	**RPD**	**ABS**
Analyte	**Project Action Limit (µg/L)**	**Units**																				
PCBs																						
Aroclor 1016	0.5	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1221	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1232	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1242	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	**29 J**	**25**	14.815	4	--	--	--	--	**77 J**	**85 J**	9.8765	8
Aroclor 1248	0.5	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1254	0.5	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	**11 J**	**12 J**	8.6957	1
Aroclor 1260	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1262	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Aroclor 1268	NA	µg/L	< 0.20 U	< 0.20 UJ	NC	NC	< 0.20 U	< 0.20 U	NC	NC	< 1.0 UJ	< 1.0 U	NC	NC	--	--	--	--	< 2.0 UJ	< 2.0 UJ	NC	NC
Pesticides																						
4,4-DDD	0.1	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	< 0.050 UJ	**0.90 JN**	200	0.9
4,4-DDE	0.1	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	**0.41 JN**	**6.1 JN**	174.81	5.69
4,4-DDT	0.1	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	**0.044 J**	**0.029 J**	41.096	0.015	--	--	--	--	**1.7 J**	**28 J**	177.1	26.3
Aldrin	NA	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**0.35 JN**	**R**	NC	NC
Alpha-BHC	0.02	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	< 0.030 UJ	< 0.30 UJ	NC	NC
Alpha-Chlordane	NA	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**0.67 J**	**8.1 J**	169.44	7.43
Beta-BHC	0.04	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**R**	< 0.30 UJ	NC	NC
Delta-BHC	NA	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**R**	**R**	NC	NC
Dieldrin	0.03	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	**0.038 J**	**0.028 J**	30.303	0.01	--	--	--	--	**1.8 J**	**24 J**	172.09	22.2
Endosulfan I	NA	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**R**	**R**	NC	NC
Endosulfan II	40	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	< 0.050 UJ	< 0.50 UJ	NC	NC
Endosulfan Sulfate	40	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	**0.051 JN**	< 0.50 UJ	NC	NC
Endrin	NA	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	**R**	**R**	NC	NC
Endrin Aldehyde	NA	µg/L	< 0.051 U	**0.0051 J**	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	**0.20 J**	**2.5 J**	170.37	2.3
Endrin Ketone	NA	µg/L	< 0.051 U	< 0.051 UJ	NC	NC	--	--	--	--	< 0.050 UJ	< 0.050 U	NC	NC	--	--	--	--	< 0.050 UJ	**R**	NC	NC
Gamma-BHC (Lindane)	0.03	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	**R**	**0.15 NJ**	6.8966	0.01	--	--	--	--	**R**	**R**	NC	NC
Gamma-Chlordane	0.5	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**0.50 JN**	**7.6 JN**	175.31	7.1
Heptachlor	0.05	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	< 0.030 UJ	< 0.30 UJ	NC	NC
Heptachlor Epoxide	0.2	µg/L	< 0.030 U	< 0.030 UJ	NC	NC	--	--	--	--	< 0.030 UJ	< 0.030 U	NC	NC	--	--	--	--	**R**	**R**	NC	NC
Methoxychlor	40	µg/L	< 0.25 U	< 0.25 UJ	NC	NC	--	--	--	--	< 0.25 UJ	< 0.25 U	NC	NC	--	--	--	--	< 0.25 UJ	< 2.5 UJ	NC	NC
Toxaphene	NA	µg/L	< 2.5 U	< 2.5 UJ	NC	NC	--	--	--	--	< 2.5 UJ	< 2.5 U	NC	NC	--	--	--	--	< 2.5 UJ	< 25 UJ	NC	NC
Total Metals																						
Aluminum	50	µg/L	--	--	--	--	--	--	--	--	**772**	**753**	2.4918	19	< 20.0 U	< 20.0 U	NC	NC	--	--	--	--
Antimony	NA	µg/L	--	--	--	--	--	--	--	--	< 2.0 U	< 2.0 U	NC	NC	< 2.0 U	< 2.0 U	NC	NC	--	--	--	--
Arsenic	3	µg/L	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NC	NC	**2.7**	**2.9**	7.1429	0.2	--	--	--	--
Barium	2000	µg/L	--	--	--	--	--	--	--	--	**78.3**	**73.8**	5.9172	4.5	**143**	**158**	9.9668	15	--	--	--	--
Beryllium	NA	µg/L	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NC	NC	< 1.0 U	< 1.0 U	NC	NC	--	--	--	--
Cadmium	4	µg/L	--	--	--	--	--	--	--	--	**0.29 J**	**0.55 J**	61.905	0.26	< 1.0 U	< 1.0 U	NC	NC	--	--	--	--
Calcium	NA	µg/L	--	--	--	--	--	--	--	--	**200,000**	**188,000**	6.1856	12000	**56,500**	**55,800**	1.2467	700	--	--	--	--
Chromium	70	µg/L	--	--	--	--	--	--	--	--	**5.1**	**5.2**	1.9417	0.1	< 2.0 U	**0.050 J**	NC	NC	--	--	--	--
Cobalt	NA	µg/L	--	--	--	--	--	--	--	--	**1.6**	**1.5**	6.4516	0.1	**0.040 J**	**0.070 J**	54.545	0.03	--	--	--	--
Copper	NA	µg/L	--	--	--	--	--	--	--	--	**8.3**	**7.9**	4.9383	0.4	**4.6**	**10.1**	74.83	5.5	--	--	--	--
Iron	300	µg/L	--	--	--	--	--	--	--	--	**2,600**	**2,530**	2.729	70	< 200 U	**206**	NC	NC	--	--	--	--
Lead	5	µg/L	--	--	--	--	--	--	--	--	**1.4**	**1.2**	15.385	0.2	**4.4**	**6.3**	35.514	1.9	--	--	--	--
Magnesium	NA	µg/L	--	--	--	--	--	--	--	--	**19,900**	**19,600**	1.519	300	**19,400**	**20,300**	4.534	900	--	--	--	--
Manganese	50	µg/L	--	--	--	--	--	--	--	--	**143**	**142**	0.7018	1	**7.3**	**7.9**	7.8947	0.6	--	--	--	--
Nickel	NA	µg/L	--	--	--	--	--	--	--	--	**8.2**	**8.2**	0	0	**0.79 J**	**1.6**	67.782	0.81	--	--	--	--
Potassium	NA	µg/L	--	--	--	--	--	--	--	--	**2,450**	**2,450**	0	0	**1,330**	**1,420**	6.5455	90	--	--	--	--
Selenium	NA	µg/L	--	--	--	--	--	--	--	--	< 5.0 U	< 5.0 U	NC	NC	< 5.0 U	< 5.0 U	NC	NC	--	--	--	--
Silver	NA	µg/L	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NC	NC	< 1.0 U	< 1.0 U	NC	NC	--	--	--	--
Sodium	NA	µg/L	--	--	--	--	--	--	--	--	**40,300**	**40,000**	0.7472	300	**12,300**	**12,700**	3.2	400	--	--	--	--
Thallium	NA	µg/L	--	--	--	--	--	--	--	--	< 1.0 U	< 1.0 U	NC	NC	< 1.0 U	< 1.0 U	NC	NC	--	--	--	--
Vanadium	NA	µg/L	--	--	--	--	--	--	--	--	**6.1**	**5.9**	3.3333	0.2	**7.1**	**7.0**	1.4184	0.1	--	--	--	--
Zinc	NA	µg/L	--	--	--	--	--	--	--	--	**5130**	**5,030**	1.9685	100	**15.8**	**41.2**	89.123	25.4	--	--	--	--

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
ABS = Absolute Difference
RPD = Relative Percent Difference
µg/L = Micrograms per liter
< = less than the Reporting Limit.
NC = Not calculated.
-- = No sample collected.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
N = Presumptive evidence of a compound.
R = Data has been rejected by the validator.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

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Table H-5 Spring 2019 Duplicate Analytical Results Dioxins and Furans Groundwater Analytical Results

		Sample Name	LTM03-MW14D-2-S19	FD061219-1		
		Location Identification	MW-14D	MW-14D		
		Depth (feet)	123-133	123-133		
		Matrix	Groundwater	Groundwater		
		Sample Date	6/12/2019	6/12/2019	**RPD**	**ABS**
Analyte	**Project Action Limit**	**Units**				
Dioxins and Furans						
1,2,3,4,6,7,8-heptachlorodibenzofuran	NA	pg/L	< 36 UJ	< 35 UJ	NC	NC
1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	NA	pg/L	< 43 UJ	< 41 UJ	NC	NC
1,2,3,4,7,8,9-heptachlorodibenzofuran	NA	pg/L	< 35 UJ	< 33 UJ	NC	NC
1,2,3,4,7,8-hexachlorodibenzofuran	NA	pg/L	< 19 UJ	< 18 UJ	NC	NC
1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	NA	pg/L	< 28 UJ	< 27 UJ	NC	NC
1,2,3,6,7,8-hexachlorodibenzofuran	NA	pg/L	< 14 UJ	< 13 UJ	NC	NC
1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	NA	pg/L	< 35 UJ	< 33 UJ	NC	NC
1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)	NA	pg/L	< 14 UJ	< 13 UJ	NC	NC
1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	NA	pg/L	< 16 UJ	< 15 UJ	NC	NC
1,2,3,7,8-pentachlorodibenzofuran	NA	pg/L	< 13 UJ	< 12 UJ	NC	NC
1,2,3,7,8-pentachlorodibenzo-p-dioxin	NA	pg/L	< 17 UJ	< 16 UJ	NC	NC
2,3,4,6,7,8-hexachlorodibenzofuran	NA	pg/L	< 12 UJ	< 12 UJ	NC	NC
2,3,4,7,8-pentachlorodibenzofuran	NA	pg/L	< 15 UJ	< 14 UJ	NC	NC
2,3,7,8-tetrachlorodibenzodioxin	NA	pg/L	< 14 UJ	< 14 UJ	NC	NC
2,3,7,8-tetrachlorodibenzofuran	NA	pg/L	< 20 UJ	< 18 UJ	NC	NC
Heptachlorodibenzo-p-dioxins	NA	pg/L	< 14 UJ	< 13 UJ	NC	NC
OCDD (octachlorodibenzo-4-dioxin)	NA	pg/L	< 50 UJ	< 48 UJ	NC	NC
OCDF (octachlorodibenzofuran)	NA	pg/L	< 51 UJ	< 48 UJ	NC	NC
TEQ WHO1998 Bird ND=LQL	NA	pg/L	0	0	0	0
TEQ WHO1998 Fish ND=LQL	NA	pg/L	0	0	0	0
Total HpCDFs	NA	pg/L	< 35 UJ	< 33 UJ	NC	NC
Total HxCDDs	NA	pg/L	< 16 UJ	< 7.9 UJ	NC	NC
Total HxCDFs	NA	pg/L	< 10 UJ	< 8.0 UJ	NC	NC
Total PeCDDs	NA	pg/L	< 11 UJ	< 8.3 UJ	NC	NC
Total PeCDFs	NA	pg/L	< 5.6 UJ	< 4.9 UJ	NC	NC
Total TCDDs	NA	pg/L	< 9.5 UJ	< 8.0 UJ	NC	NC
Total TCDFs	NA	pg/L	< 20 UJ	< 18 UJ	NC	NC
Total TEQ - Mammal	10	pg/L	0	0	0	0

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Notes:
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RPD = Relative Percent Difference
pg/L = Picogram(s) per liter
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-- = No sample collected
N/A = Not applicable
NC = Not calculated
U = The analyte was not detected at or above the Reporting Limit.
J =The identification of the analyte is acceptable; the reported value is an estimate.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

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Table H-5 Spring 2019 Duplicate Analytical Results PCB Congeners Groundwater Analytical Results

		Sample Name	LTM03-MW14D-2-S19	FD061219-1		
		Location Identification	MW-14D	MW-14D		
		Depth (feet)	123-133	123-133		
		Matrix	Groundwater	Groundwater		
		Sample Date	6/12/2019	6/12/2019	**RPD**	**ABS**
Analyte	**Project Action Limit**	**Units**				
PCB Congeners						
PCB1 (2-Chlorobiphenyl)	NA	pg/L	**2,300,000**	**3,000,000**	26.42	700,000
PCB 2	NA	pg/L	**71,000**	**85,000**	17.95	14,000
PCB 3	NA	pg/L	**360,000**	**430,000**	17.72	70,000
PCB 4	NA	pg/L	**12,000,000**	**15,000,000**	22.22	3,000,000
PCB 5	NA	pg/L	**230,000**	**270,000**	16.00	40,000
PCB 6	NA	pg/L	**2,400,000**	**2,800,000**	15.38	400,000
PCB 7	NA	pg/L	**340,000**	**390,000**	13.70	50,000
PCB 8	NA	pg/L	**11,000,000**	**12,000,000**	8.70	1,000,000
PCB 9	NA	pg/L	**770,000**	**900,000**	15.57	130,000
PCB 10	NA	pg/L	**730,000**	**870,000**	17.50	140,000
PCB 11	NA	pg/L	< 5,900 U	**21,000**	200.00	21,000
PCB 12/PCB 13	NA	pg/L	**230,000**	**260,000**	12.24	30,000
PCB 14	NA	pg/L	< 5,500 U	< 6,600 U	NC	NC
PCB 15	NA	pg/L	**2,100,000**	**2,400,000**	13.33	300,000
PCB 16	NA	pg/L	**5,200,000**	**5,000,000**	3.92	200,000
PCB 17	NA	pg/L	**3,700,000**	**3,800,000**	2.67	100,000
PCB 18/PCB 30	NA	pg/L	**9,500,000**	**9,900,000**	4.12	400,000
PCB 19	NA	pg/L	**1,900,000**	**2,100,000**	10.00	200,000
PCB 20/PCB 28	NA	pg/L	**4,300,000**	**4,400,000**	2.30	100,000
PCB 21/PCB 33	NA	pg/L	**3,500,000**	**3,400,000**	2.90	100,000
PCB 22	NA	pg/L	**1,900,000**	**1,900,000**	0.00	0
PCB 23	NA	pg/L	**8,800 J**	**7,000 J**	22.78	1,800
PCB 24	NA	pg/L	< 2,400 U	< 1,300 U	NC	NC
PCB 25	NA	pg/L	**410,000**	**41,0000**	0.00	0
PCB 26/PCB 29	NA	pg/L	**980,000**	**1,000,000**	2.02	20,000
PCB 27	NA	pg/L	**680,000**	**740,000**	8.45	60,000
PCB 31	NA	pg/L	**4,500,000**	**4,500,000**	0.00	0
PCB 32	NA	pg/L	**2,100,000**	**2,200,000**	4.65	100,000
PCB 34	NA	pg/L	**18,000 J**	**18,000 J**	0.00	0
PCB 35	NA	pg/L	**36,000**	**35,000**	2.82	1,000
PCB 36	NA	pg/L	< 2,600 U	< 2,300 U	NC	NC
PCB 37	NA	pg/L	**910,000**	**870,000**	4.49	40,000
PCB 38	NA	pg/L	< 2,800 U	< 2,400 U	NC	NC
PCB 39	NA	pg/L	< 2,500 U	< 2,200 U	NC	NC
PCB 40/PCB 71	NA	pg/L	**780,000**	**700,000**	10.81	80,000
PCB 41	NA	pg/L	**270,000**	**230,000**	16.00	40,000
PCB 42	NA	pg/L	**500,000**	**450,000**	10.53	50,000
PCB 43	NA	pg/L	**120,000**	**100,000**	18.18	20,000
PCB 44/PCB 47/PCB 65	NA	pg/L	**1,800,000**	**1600000**	11.76	200,000
PCB 45/ PCB 51	NA	pg/L	**620,000**	**510000**	19.47	110,000
PCB 46	NA	pg/L	**220,000**	**190000**	14.63	30,000
PCB 48	NA	pg/L	**410,000**	**370000**	10.26	40,000
PCB 49/PCB 69	NA	pg/L	**1,000,000**	**880,000**	12.77	120,000
PCB 50/PCB 53	NA	pg/L	**470,000**	**400,000**	16.09	70,000
PCB 52	NA	pg/L	**2,200,000**	**2,000,000**	9.52	200,000
PCB 54	NA	pg/L	< 1,000 U	< 770 U	NC	NC
PCB 55	NA	pg/L	**31,000**	**22,000**	33.96	9,000
PCB 56	NA	pg/L	**510,000**	**430,000**	17.02	80,000
PCB 57	NA	pg/L	**6,000 J**	**6,200 J**	3.28	200
PCB 58	NA	pg/L	< 2,600 U	< 4,100 U	NC	NC
PCB 59/PCB 62/PCB 75	NA	pg/L	**170,000**	**160,000**	6.06	10,000
PCB 60	NA	pg/L	**290,000**	**230,000**	23.08	60,000
PCB 61/PCB 70/PCB 74/PCB 76	NA	pg/L	**1,900,000**	**1,500,000**	23.53	400,000
PCB 63	NA	pg/L	**38,000**	**30,000**	23.53	8,000
PCB 64	NA	pg/L	**710,000**	**650,000**	8.82	60,000
PCB 66	NA	pg/L	**800,000**	**660,000**	19.18	140,000
PCB 67	NA	pg/L	**39,000**	**33,000**	16.67	6,000
PCB 68	NA	pg/L	< 2,400 U	< 3,800 U	NC	NC
PCB 72	NA	pg/L	**3,700 J**	< 4,200 U	200.00	3,700
PCB 73	NA	pg/L	**2,7000**	**26,000**	3.77	1,000
PCB 77	NA	pg/L	**73,000**	**52,000**	33.60	21,000
PCB 78	NA	pg/L	< 2,800 U	< 4,600 U	NC	NC
PCB 79	NA	pg/L	< 2,400 U	**6,800 J**	200.00	6,800
PCB 80	NA	pg/L	< 2,400 U	< 3,800 U	NC	NC
PCB 81	NA	pg/L	**3,100 J**	< 4,100 U	200.00	3,100
PCB 82	NA	pg/L	**110,000**	**85,000**	25.64	25,000
PCB 83	NA	pg/L	**60,000**	< 43,000 U	200.00	60,000
PCB 84	NA	pg/L	**300,000**	**230,000**	26.42	70,000
PCB 85/PCB 116/PCB 117	NA	pg/L	**150,000**	< 31,000 U	200.00	150,000
PCB 86/PCB 87/PCB 97/PCB 109/PCB 119/PCB 125	NA	pg/L	**610,000**	**410,000**	39.22	200,000
PCB 88/PCB 91	NA	pg/L	**120,000**	**91,000**	27.49	29,000
PCB 89	NA	pg/L	**14,000 J**	< 41,000 U	200.00	14,000
PCB 90/PCB 101/PCB 113	NA	pg/L	**780,000**	**560,000**	32.84	220,000
PCB 92	NA	pg/L	**140,000**	**100,000**	33.33	40,000
PCB 93/PCB 100	NA	pg/L	< 6,500 U	< 34,000 U	NC	NC
PCB 94	NA	pg/L	< 7,300 U	< 39,000 U	NC	NC
PCB 95	NA	pg/L	**850,000**	**670,000**	23.68	180,000
PCB 96	NA	pg/L	**9,200 J**	**7,000 J**	27.16	2,200
PCB 98/PCB 102	NA	pg/L	**31,000 J**	< 42,000 U	200.00	31,000
PCB 99	NA	pg/L	**270,000**	**180,000**	40.00	90,000
PCB 103	NA	pg/L	< 6,400 U	< 35,000 U	NC	NC
PCB 104	NA	pg/L	< 2,100 U	< 1,600 U	NC	NC
PCB 105	NA	pg/L	**300,000**	**170,000**	55.32	130,000
PCB 106	NA	pg/L	< 4,600 U	< 3,500 U	NC	NC
PCB 107	NA	pg/L	**37,000**	**23,000**	46.67	14,000
PCB 108/PCB 124	NA	pg/L	**26,000 J**	**18,000 J**	36.36	8,000
PCB 110/PCB 115	NA	pg/L	**1,000,000**	**800,000**	22.22	200,000
PCB 111	NA	pg/L	< 5,100 U	< 28,000 U	NC	NC
PCB 112	NA	pg/L	< 5,900 U	< 32,000 U	NC	NC
PCB 114	NA	pg/L	**18,000 J**	**11,000 J**	48.28	7,000
PCB 118	NA	pg/L	**660,000**	**400,000**	49.06	260,000
PCB 120	NA	pg/L	< 5,200 U	< 28,000 U	NC	NC
PCB 121	NA	pg/L	< 5,200 U	< 28,000 U	NC	NC
PCB 122	NA	pg/L	**9,800 J**	< 3,400 U	200.00	9,800
PCB 123	NA	pg/L	**8,100 J**	**4,500 J**	57.14	3,600
PCB 126	NA	pg/L	< 4,900 U	< 3,500 U	NC	NC
PCB 127	NA	pg/L	< 4,000 U	< 3,100 U	NC	NC
PCB 128/PCB 166	NA	pg/L	**97,000**	**49,000**	65.75	48,000
PCB 129/ PCB 138/PCB 163	NA	pg/L	**530,000**	**280,000**	61.73	250,000
PCB 130	NA	pg/L	**35,000**	**20,000**	54.55	15,000
PCB 131	NA	pg/L	**11,000 J**	**6,000 J**	58.82	5,000
PCB 132	NA	pg/L	**190,000**	**110,000**	53.33	80,000
PCB 133	NA	pg/L	**6,100 J**	**2,900 J**	71.11	3,200
PCB 134	NA	pg/L	**28,000**	**19,000 J**	38.30	9,000
PCB 135/PCB 151	NA	pg/L	**110,000**	**63,000**	54.34	47,000

Table H-5 Spring 2019 Duplicate Analytical Results PCB Congeners Groundwater Analytical Results

		Sample Name	LTM03-MW14D-2-S19	FD061219-1		
		Location Identification	MW-14D	MW-14D		
		Depth (feet)	123-133	123-133		
		Matrix	Groundwater	Groundwater		
		Sample Date	6/12/2019	6/12/2019	**RPD**	**ABS**
Analyte	**Project Action Limit**	**Units**				
PCB Congeners						
PCB 136	NA	pg/L	**58,000**	**34,000**	52.17	24,000
PCB 137	NA	pg/L	**31,000**	**17,000 J**	58.33	14,000
PCB 139/PCB 140	NA	pg/L	**11,000 J**	**6,400 J**	52.87	4,600
PCB 141	NA	pg/L	**78,000**	**42,000**	60.00	36,000
PCB 142	NA	pg/L	< 4,200 U	< 3,000 U	NC	NC
PCB 143	NA	pg/L	< 4,200 U	< 2,800 U	NC	NC
PCB 144	NA	pg/L	**19,000 J**	**11,000 J**	53.33	8,000
PCB 145	NA	pg/L	< 1,800 U	< 1,200 U	NC	NC
PCB 146	NA	pg/L	**47,000**	**26,000**	57.53	21,000
PCB 147/PCB 149	NA	pg/L	**300,000**	**180,000**	50.00	120,000
PCB 148	NA	pg/L	< 2,400 U	< 1,600 U	NC	NC
PCB 150	NA	pg/L	< 1,800 U	< 1,200 U	NC	NC
PCB 152	NA	pg/L	< 1800 U	< 1,200 U	NC	NC
PCB 153/PCB 168	NA	pg/L	**300000**	**160,000**	60.87	140,000
PCB 154	NA	pg/L	**2,800 J**	< 1,400 U	200.00	2,800
PCB 155	NA	pg/L	< 1,700 U	< 1,300 U	NC	NC
PCB 156/PCB 157	NA	pg/L	**81,000**	**40,000**	67.77	41,000
PCB 158	NA	pg/L	**57,000**	**30,000**	62.07	27,000
PCB 159	NA	pg/L	< 2,200 U	< 2,200 U	NC	NC
PCB 160	NA	pg/L	< 3,300 U	< 2,200 U	NC	NC
PCB 161	NA	pg/L	< 3,200 U	< 2,100 U	NC	NC
PCB 162	NA	pg/L	< 2,100 U	< 2,100 U	NC	NC
PCB 164	NA	pg/L	**34,000**	**18,000 J**	61.54	16,000
PCB 165	NA	pg/L	< 2,900 U	< 2,100 U	NC	NC
PCB 167	NA	pg/L	**22,000**	< 2,000 U	200.00	22,000
PCB 169	NA	pg/L	< 3,300 U	< 3,200 U	NC	NC
PCB 170	NA	pg/L	**44,000**	**22,000**	66.67	22,000
PCB 171/PCB173	NA	pg/L	**14,000 J**	**6,700 J**	70.53	7,300
PCB 172	NA	pg/L	**6,900 J**	< 3,500 U	200.00	6,900
PCB 174	NA	pg/L	**36,000**	**18,000 J**	66.67	18,000
PCB 175	NA	pg/L	< 2,600 U	< 2,200 U	NC	NC
PCB 176	NA	pg/L	**5,200 J**	**2,100 J**	84.93	3,100
PCB 177	NA	pg/L	**19,000 J**	**11,000 J**	53.33	8,000
PCB 178	NA	pg/L	**5,600 J**	**2,700 J**	69.88	2,900
PCB 179	NA	pg/L	< 2,000 U	< 1,700 U	NC	NC
PCB 180/PCB 193	NA	pg/L	**68,000**	**36,000 J**	61.54	32,000
PCB 181	NA	pg/L	< 2,600 U	< 3,100 U	NC	NC
PCB 182	NA	pg/L	< 2,600 U	< 2,200 U	NC	NC
PCB 183/185	NA	pg/L	**23,000 J**	**12,000 J**	62.86	11,000
PCB 184	NA	pg/L	< 1,900 U	< 1,600 U	NC	NC
PCB 186	NA	pg/L	< 2,000 U	< 1,700 U	NC	NC
PCB 187	NA	pg/L	**28,000**	< 2,000 U	200.00	28,000
PCB 188	NA	pg/L	< 1,900 U	< 1,700 U	NC	NC
PCB 189	NA	pg/L	**2,900 J**	< 1,900 U	200.00	2,900
PCB 190	NA	pg/L	**8,600 J**	**3,700 J**	79.67	4,900
PCB 191	NA	pg/L	< 2,200 U	< 2,600 U	NC	NC
PCB 192	NA	pg/L	< 2,300 U	< 2,700 U	NC	NC
PCB 194	NA	pg/L	< 2,000 U	< 1,500 U	NC	NC
PCB 195	NA	pg/L	**3,400 J**	< 1,600 U	200.00	3,400
PCB 196	NA	pg/L	**3,200 J**	**1,900 J**	50.98	1,300
PCB 197/200	NA	pg/L	< 1,300 U	< 1,300 U	NC	NC
PCB 198/ PCB 199	NA	pg/L	< 1,800 U	**3,600 J**	200.00	3,600
PCB 201	NA	pg/L	< 1,300 U	< 1,300 U	NC	NC
PCB 202	NA	pg/L	**1,800 J**	< 1,400 U	200.00	1,800
PCB 203	NA	pg/L	**4,600 J**	**2400 J**	62.86	2,200
PCB 204	NA	pg/L	< 1,300 U	< 1,300 U	NC	NC
PCB 205	NA	pg/L	< 1,400 U	< 1,000 U	NC	NC
PCB 206	NA	pg/L	**3,500 J**	< 1,800 U	200.00	3,500
PCB 207	NA	pg/L	< 2,700 U	< 1,600 U	NC	NC
PCB 208	NA	pg/L	< 2,800 U	< 1,700 U	NC	NC
PCB 209 (Decachlorobiphenyl)	NA	pg/L	< 1,800 U	< 1,000 U	NC	NC
Dichlorobiphenyl (Total Dicb)	NA	pg/L	**30,000,000**	**35,000,000**	15.38	5,000,000
Heptachlorobiphenyls, Total	NA	pg/L	**260,000 J**	**110,000 J**	81.08	150,000
Hexachlorobiphenyls, Total	NA	pg/L	**2,000,000 J**	**1,100,000 J**	58.06	900,000
Monochlorobiphenyl (Total Mocb)	NA	pg/L	**2,800,000**	**3,500,000**	22.22	700,000
Nonachlorobipheny (Total Nocb)	NA	pg/L	**3,500 J**	< 0 U	200.00	3,500
Octachlorobiphenyl (Total Occb)	NA	pg/L	**13,000 J**	**7900 J**	48.80	5,100
Pentachlorobiphenyls, Total	NA	pg/L	**5,500,000 J**	**3,800,000 J**	36.56	1,700,000
TEQ Who1998 Bird ND=LQL	NA	pg/L	**4,000**	**2600**	42.42	1,400
TEQ Who1998 Fish ND=LQL	NA	pg/L	**14**	**8.3**	51.12	5.7
Tetrachlorobiphenyl (Total Tecb)	NA	pg/L	**13,000,000 J**	**11,000,000 J**	16.67	2,000,000
Total PCBs	NA	pg/L	**93,000,000 J**	**95,000,000 J**	2.13	2,000,000
Total TEQ - Mammal	NA	pg/L	**41**	**24**	52.31	17
Trichlorobiphenyl (Total Trcb)	NA	pg/L	**40,000,000 J**	**40,000,000 J**	0.00	0

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Notes:
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pg/L = Picogram(s) per liter
< = less than the Reporting Limit
-- = No sample collected
N/A = Not applicable
NC = Not calculated
U =The analyte was not detected at or above the Reporting Limit.
J =The identification of the analyte is acceptable; the reported value is an estimate.
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table H-6
Completeness Results

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Table H-6 Completeness Results

Analytical Parameter	Non- Detects	Number of Detections	Estimated Detections	Number of Rejects	Total	Percent Rejected	Percent Estimated Detections
VOCs	7,048	1,061	542	0	8,109	0.00	6.68
TAL Metals	330	547	108	0	877	0.00	12.31
Pesticides	967	167	100	30	1,134	2.65	8.82
PCB Aroclors	611	28	13	0	639	0.00	2.03
Dioxins / Furans	205	47	20	0	252	0.00	7.94
PCB Congeners	732	1,058	286	0	1,790	0.00	15.98
Sum	13,943	2,998	1,156	30	16,941	0.18	6.82
Total Completeness							99.82

Percent of all Data Rejected	0.18	
Percent of all SVOC Rejected	0.00	
Percent of all Hits Estimated	6.82	(does not include estimated non-detect data)
Percent Complete (judged valid)	99.82	(Includes all estimated data)

Notes:
The counts and calculations above do not include field or trip blank samples, only environmental samples.
PCB = Polychlorinated biphenyl
TAL = Target Analyte List
VOC = Volatile organic compound

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Appendix I
Trend Graphs

I1. TCE Trend Graphs
I2. DCE Trend Graphs
I3. PCB Trend Graphs

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Appendix I1
TCE Trend Graphs

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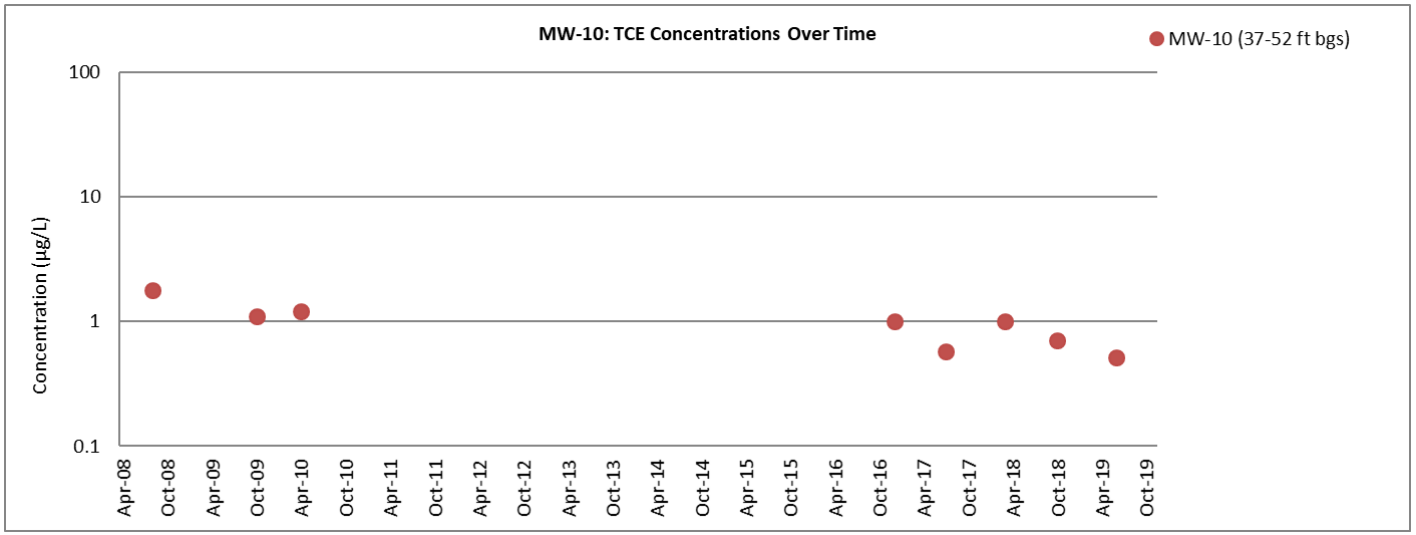
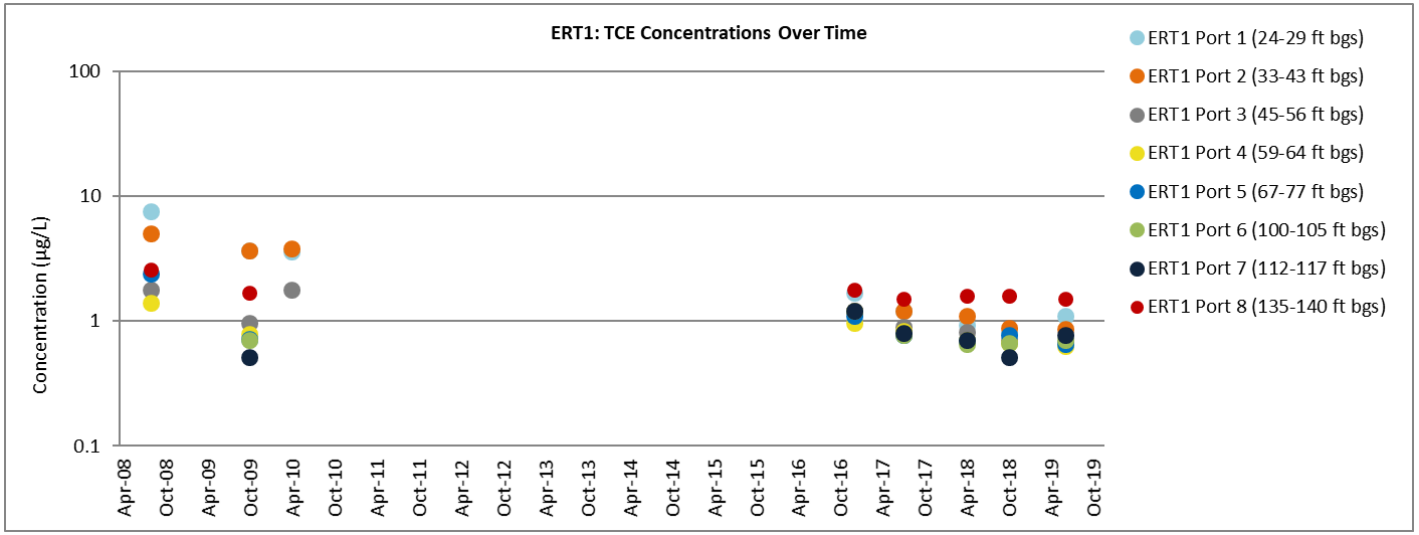
Appendix I
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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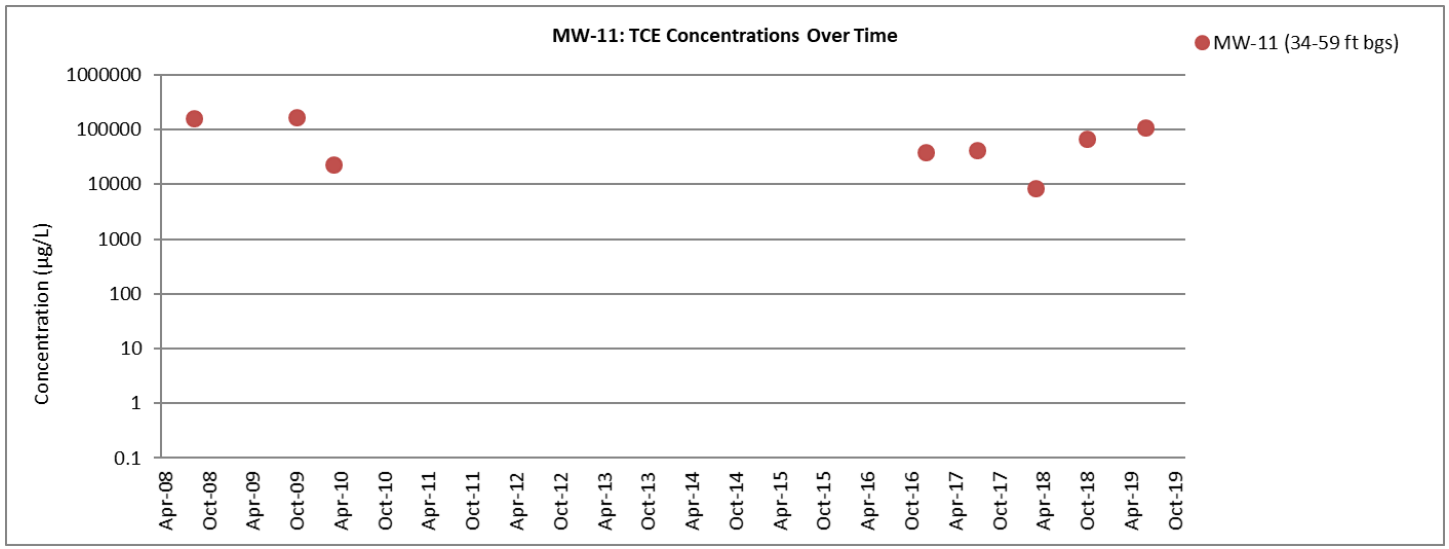
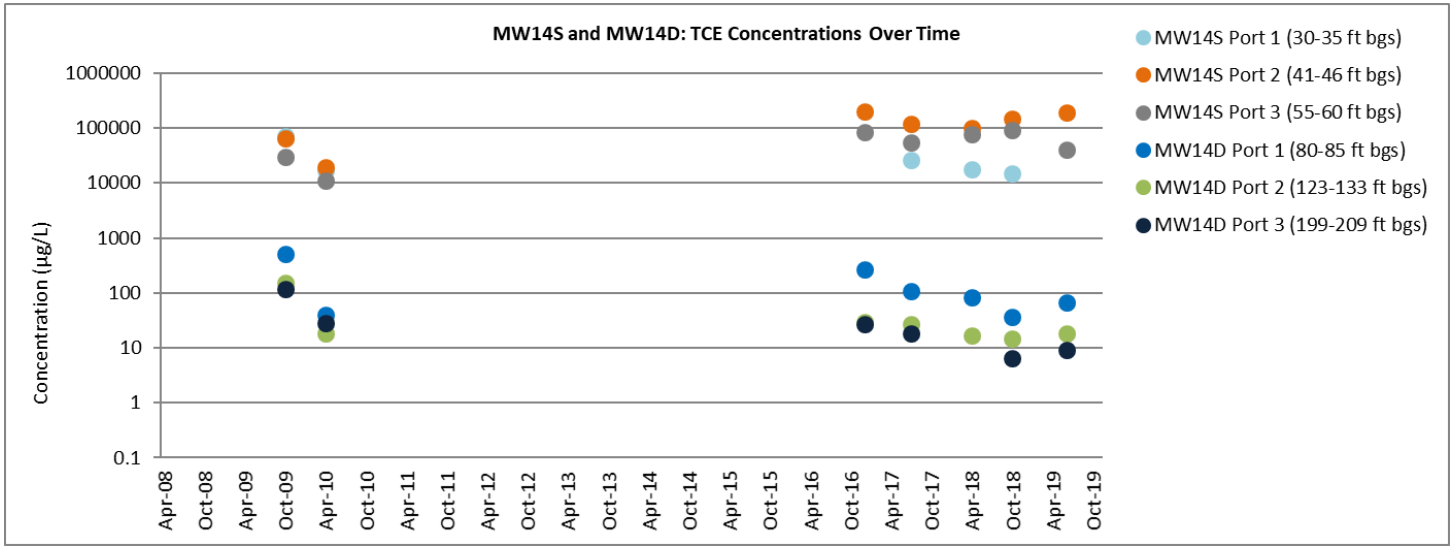
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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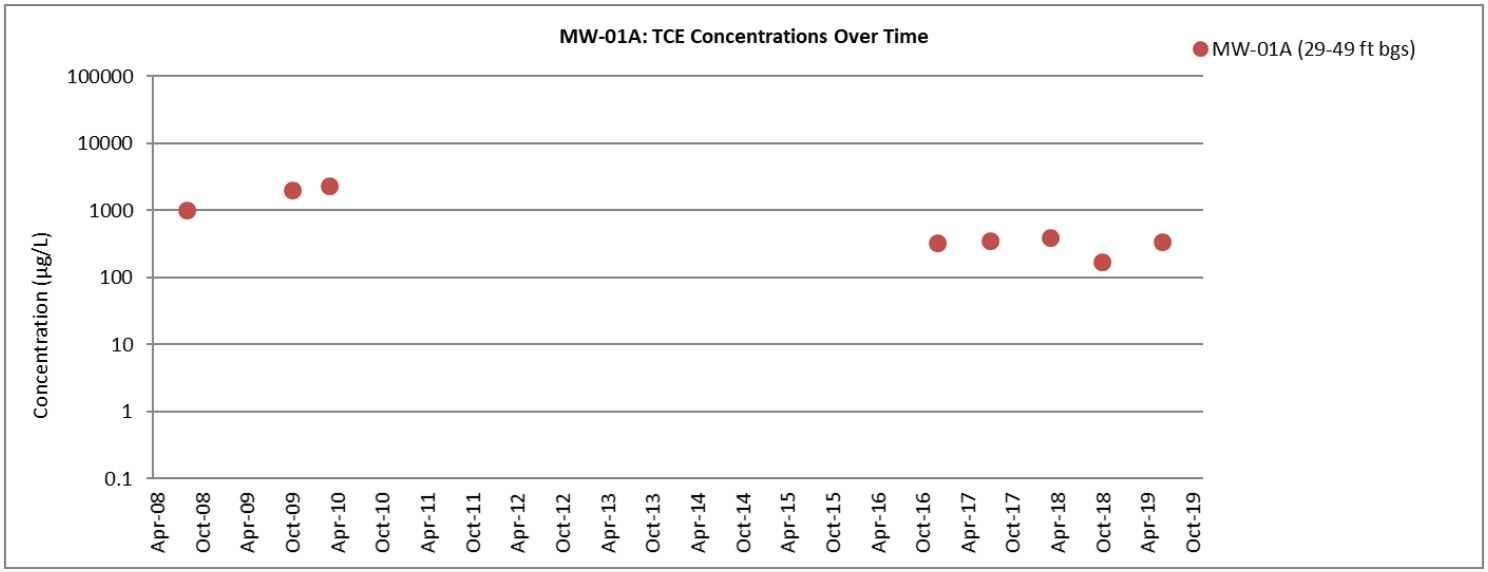
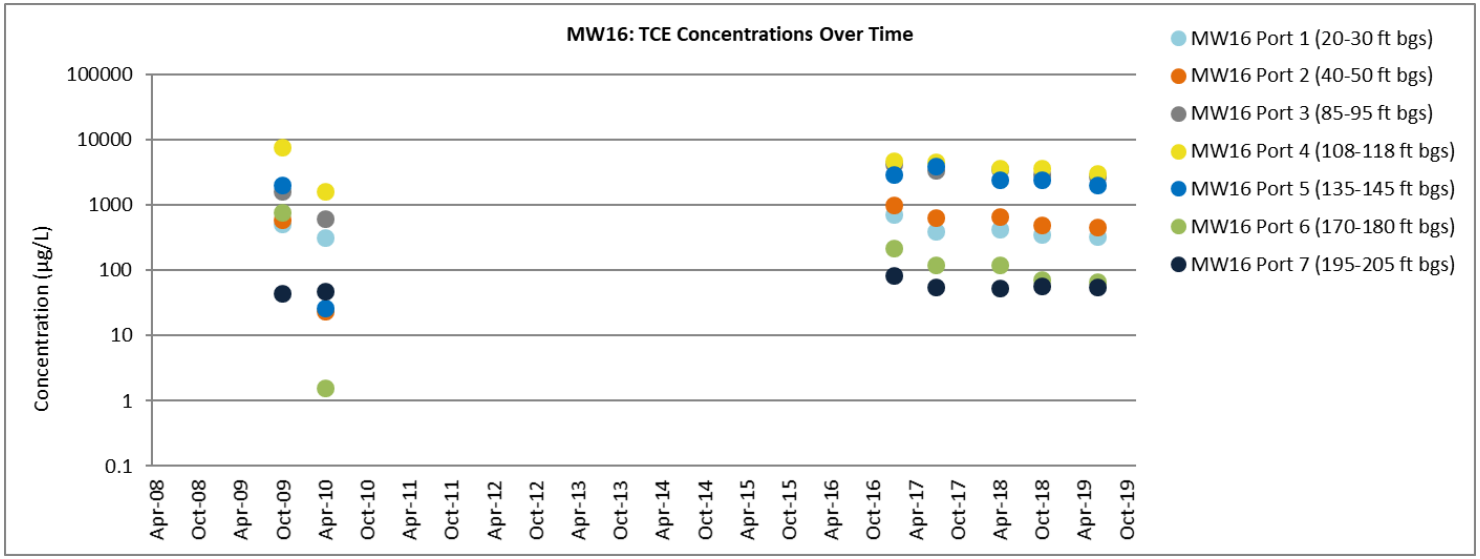
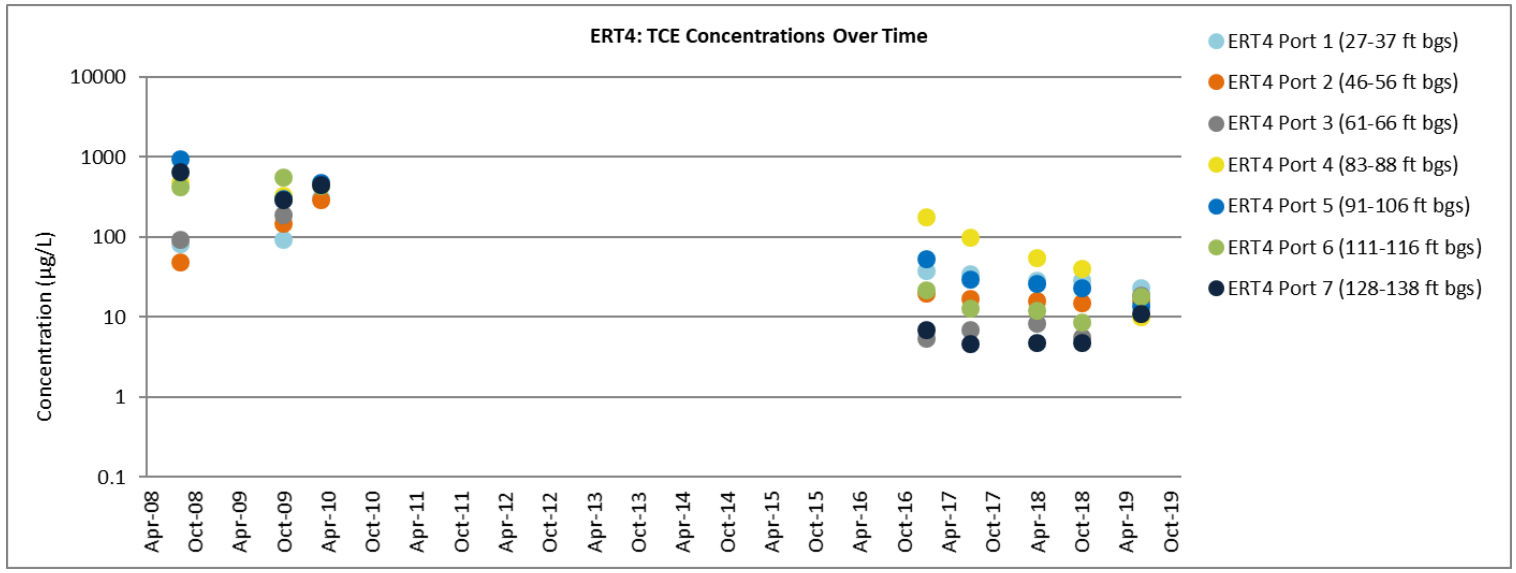
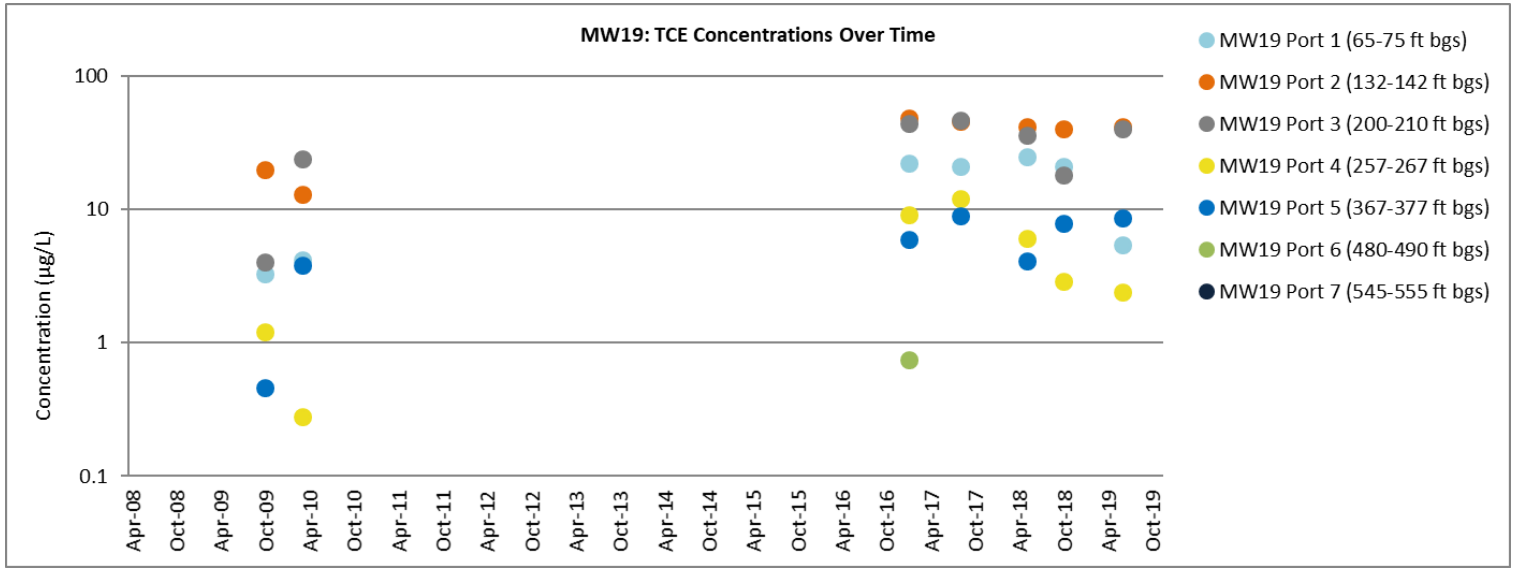
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





Appendix I
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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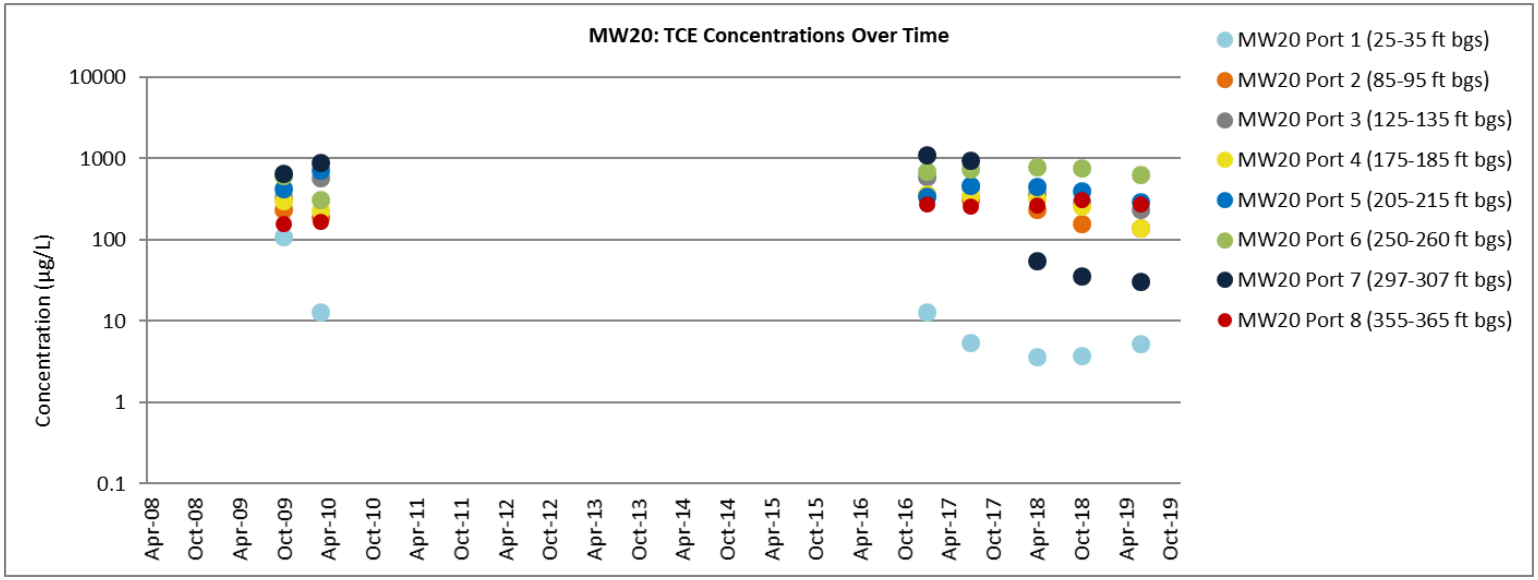
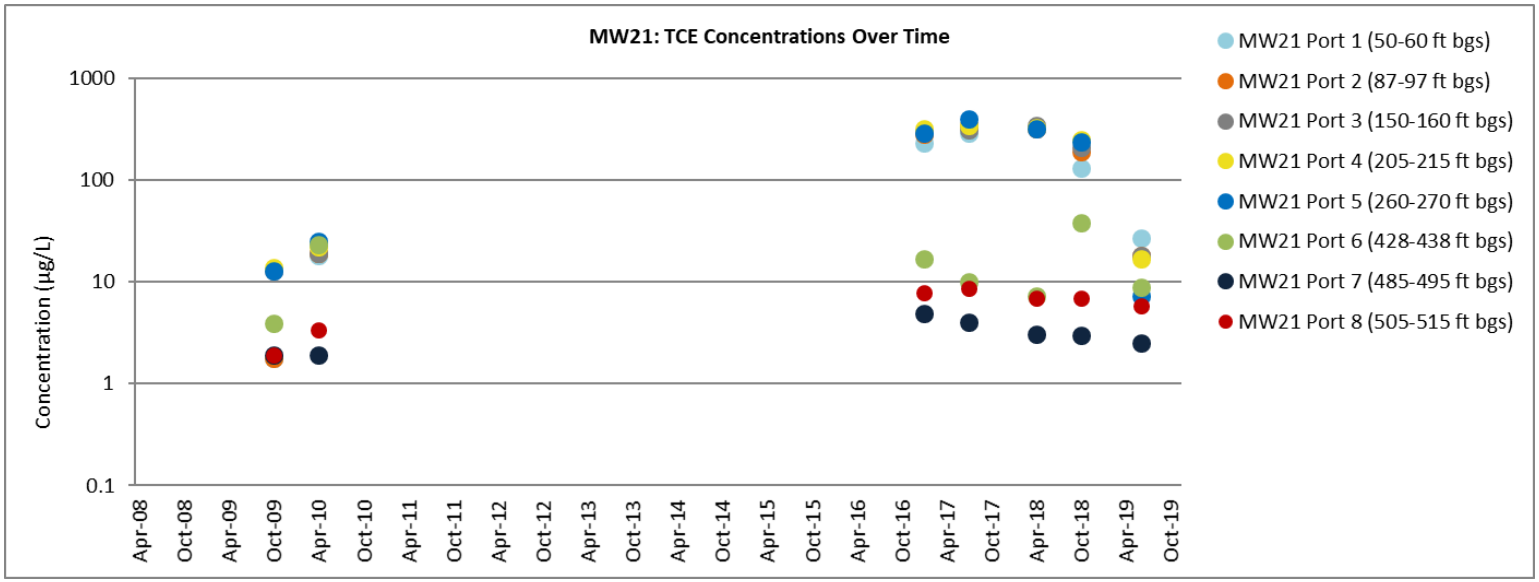
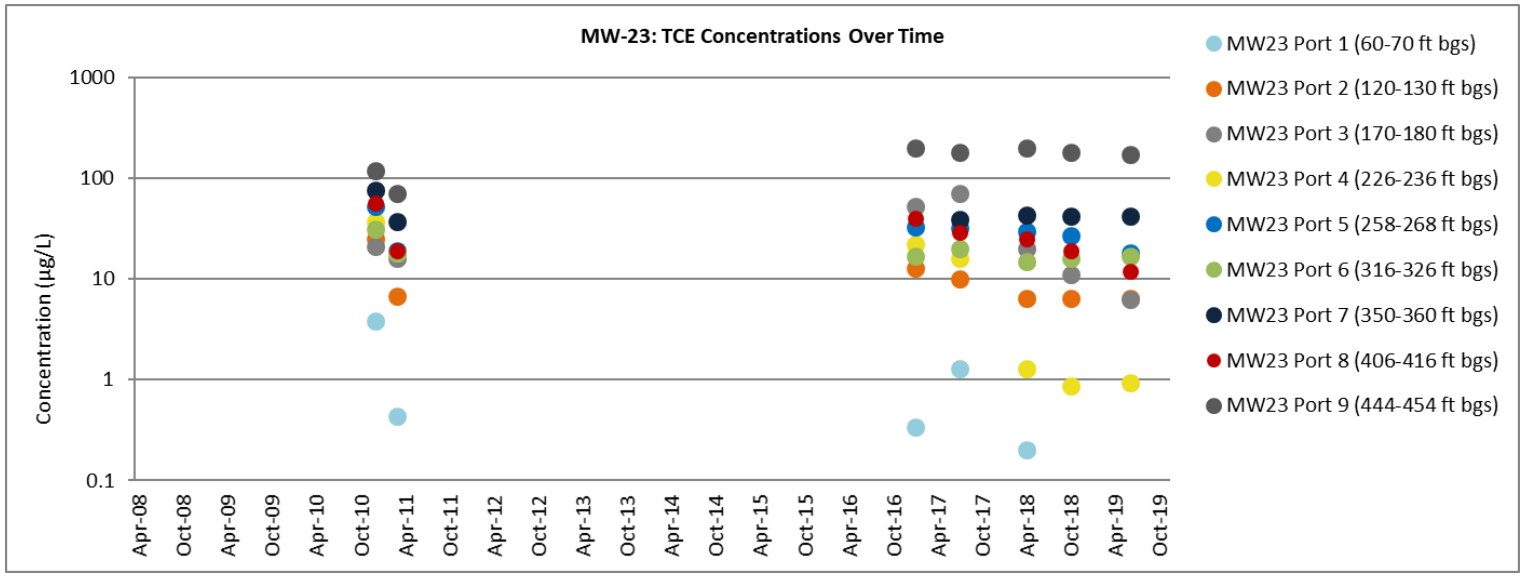
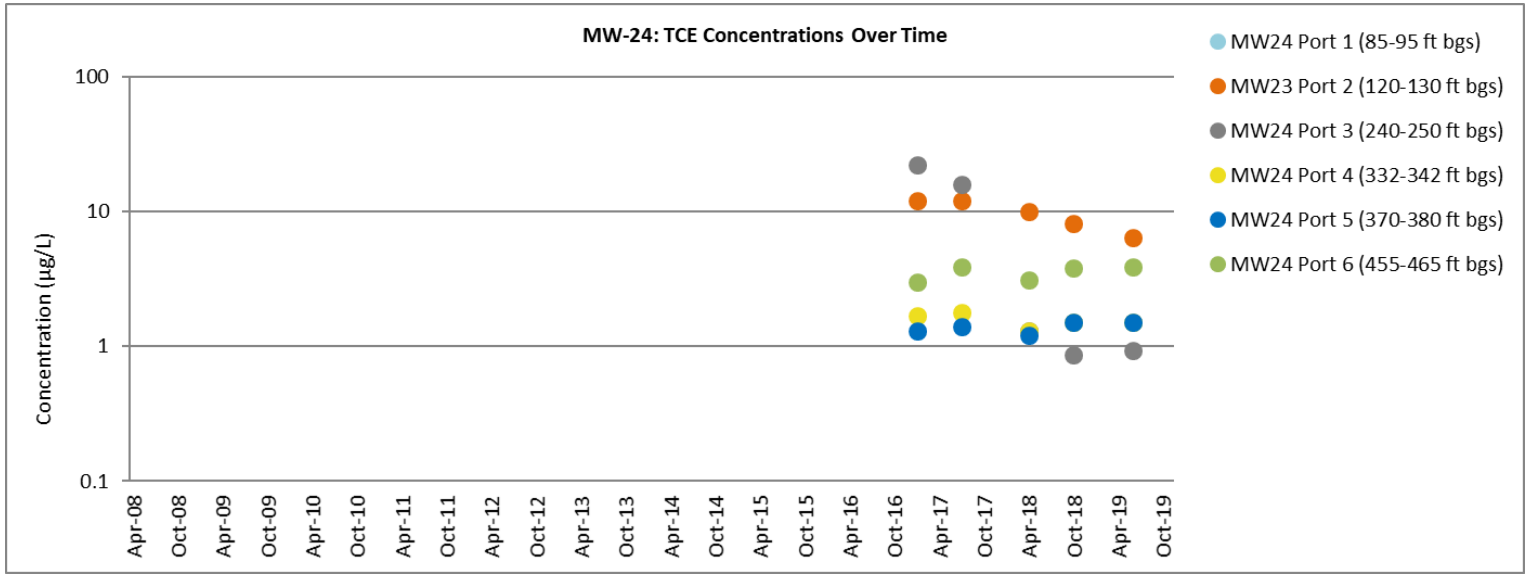
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey



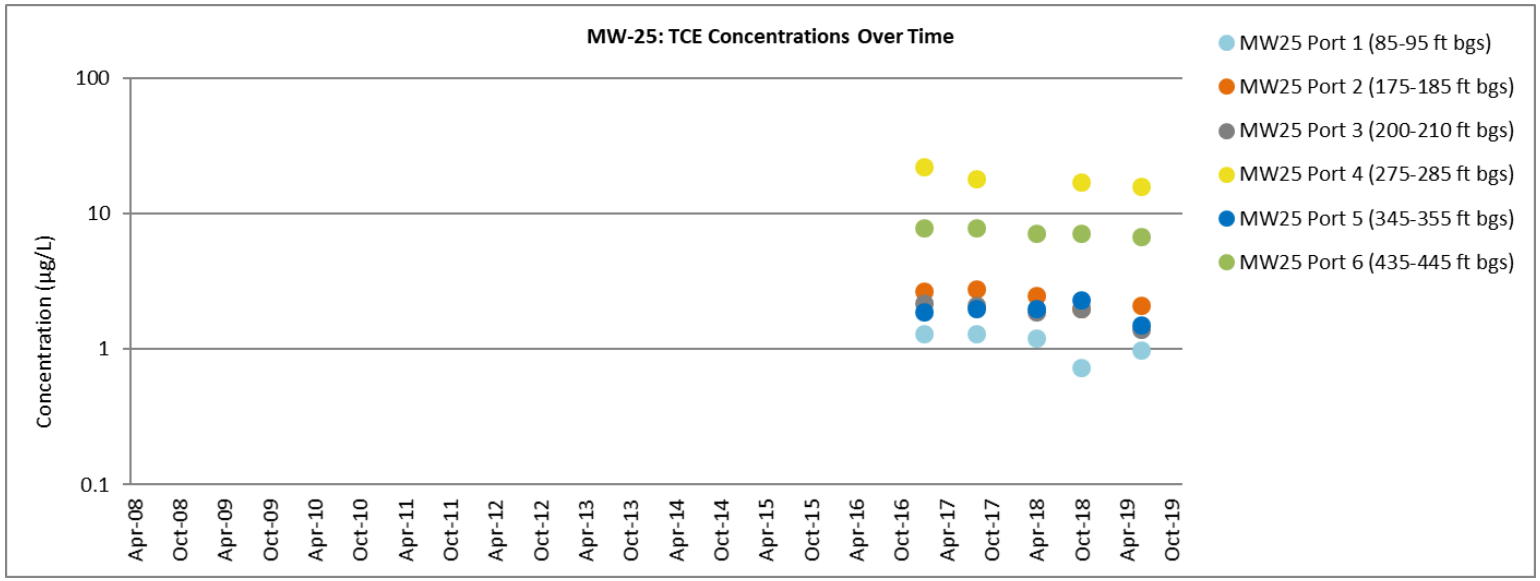


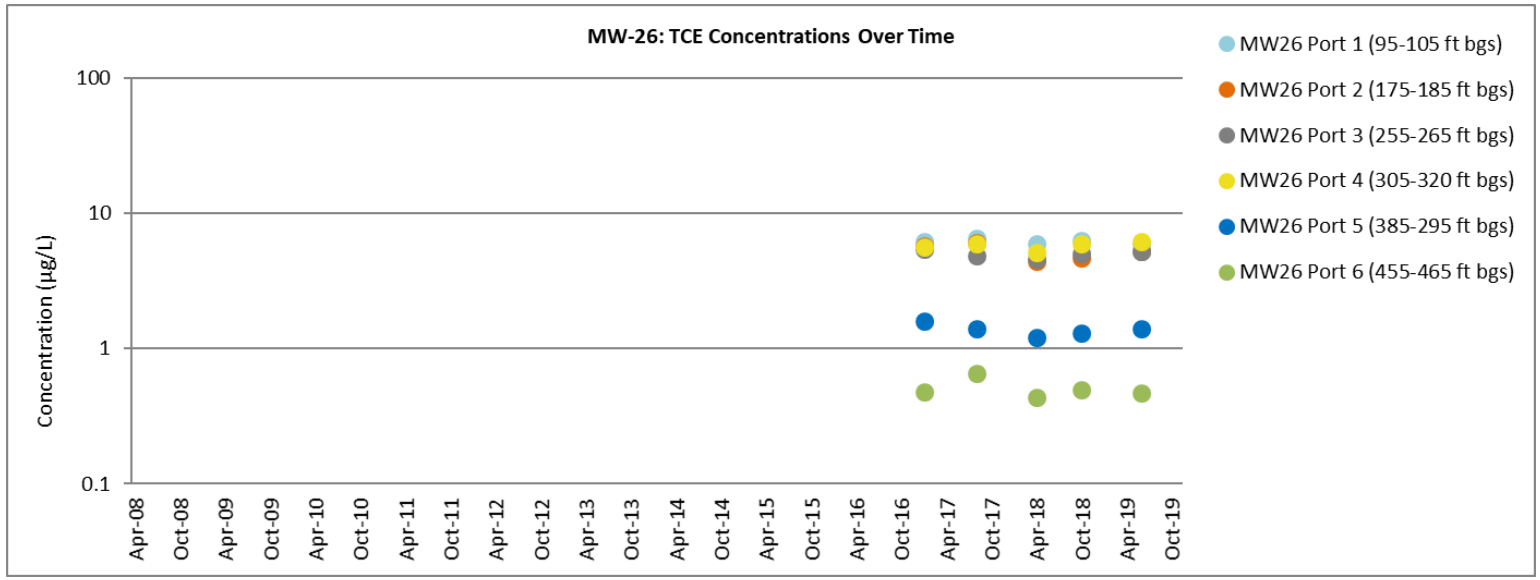
Appendix I
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





Appendix I
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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Appendix I2
DCE Trend Graphs

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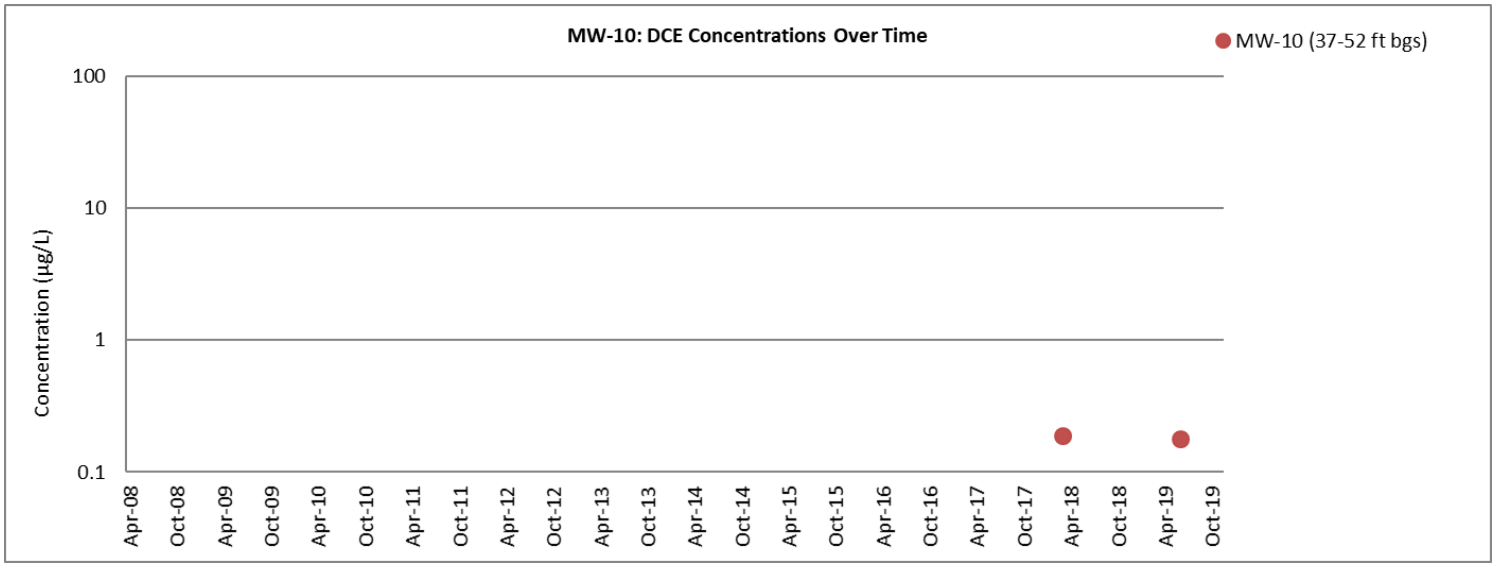
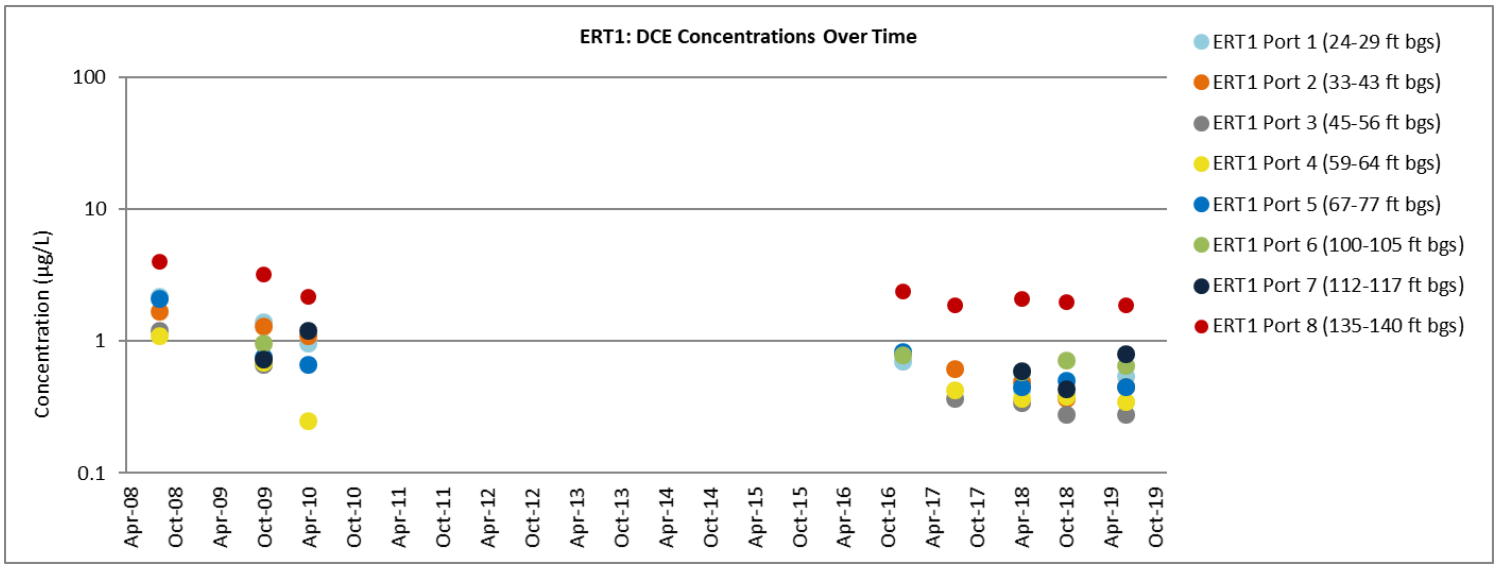
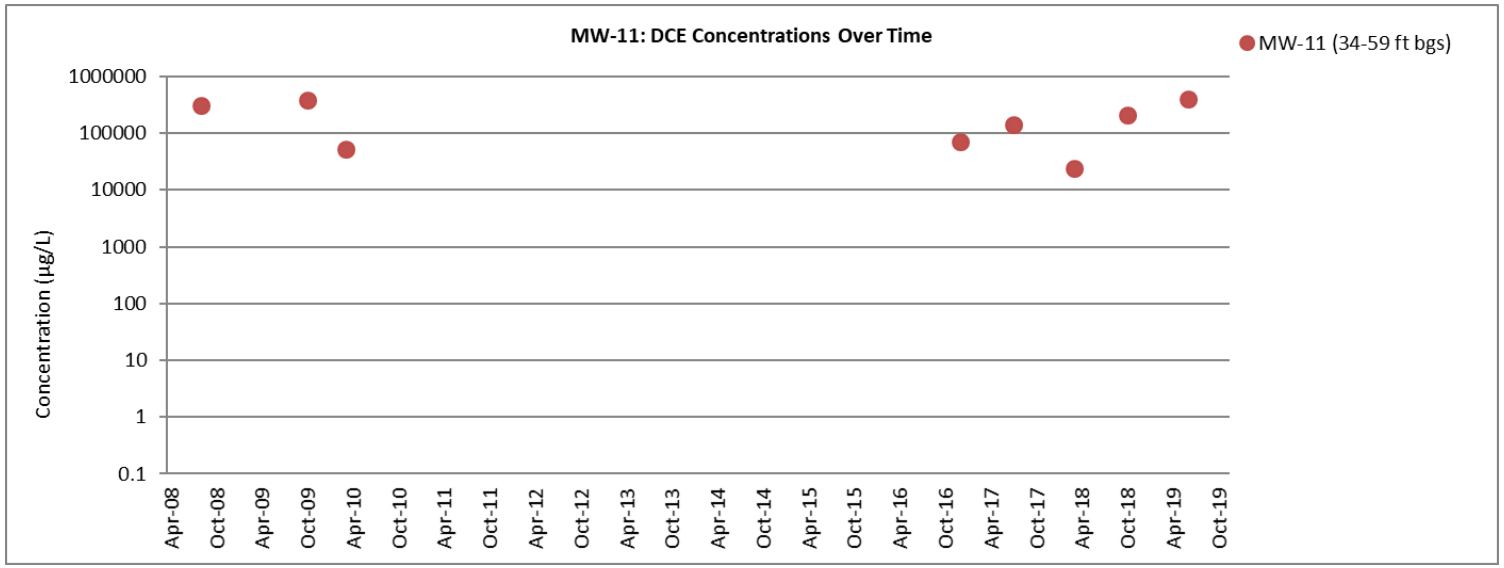
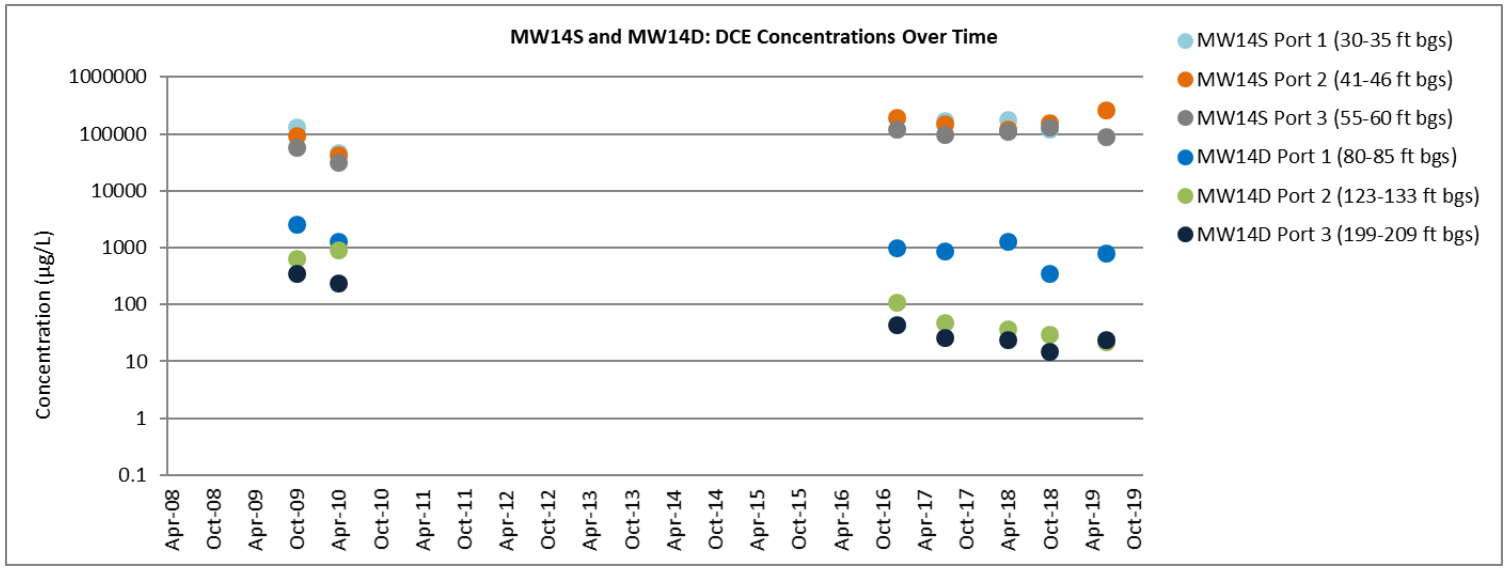
Appendix I
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 1
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey



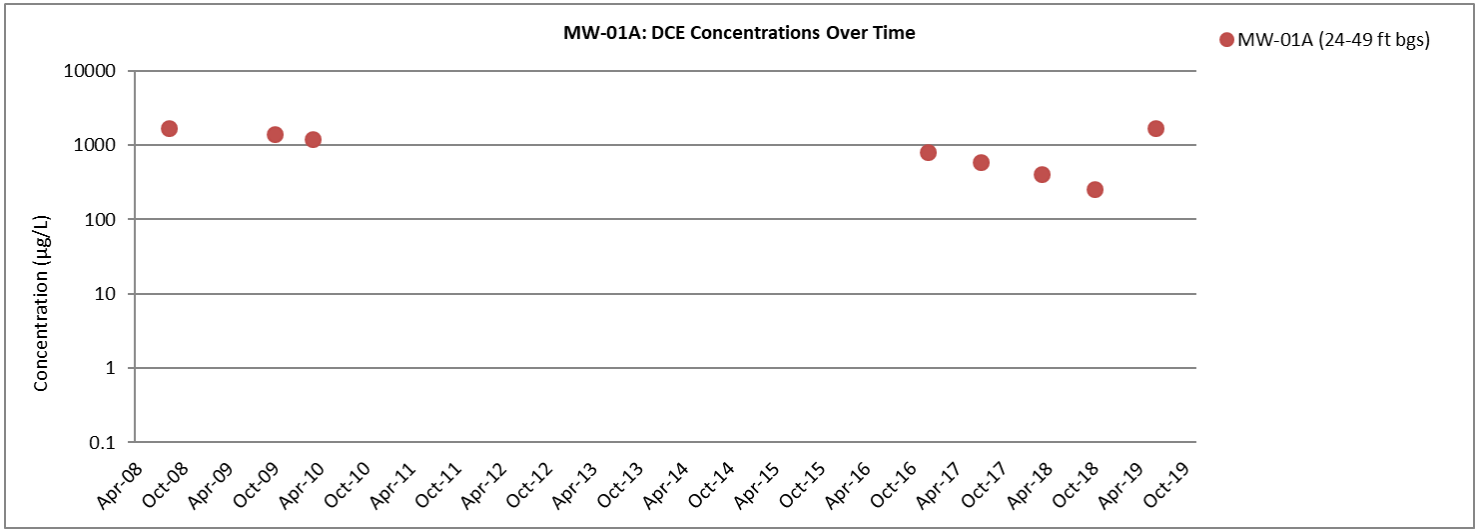


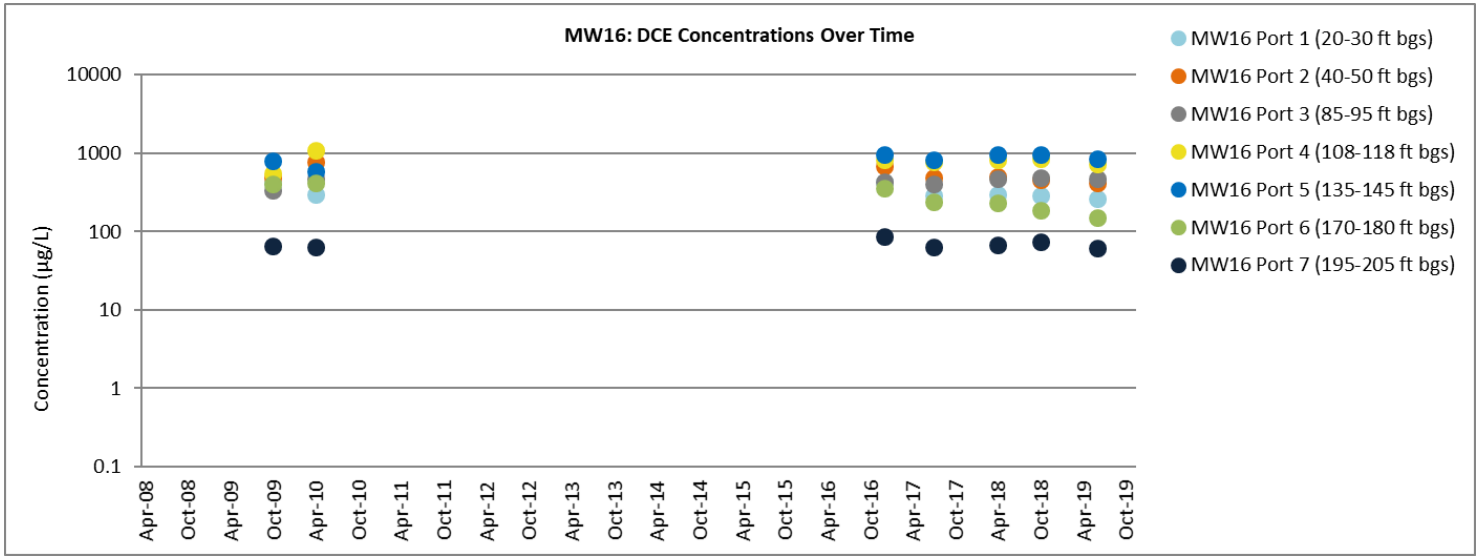
Appendix I
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 1
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





Appendix I
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 1
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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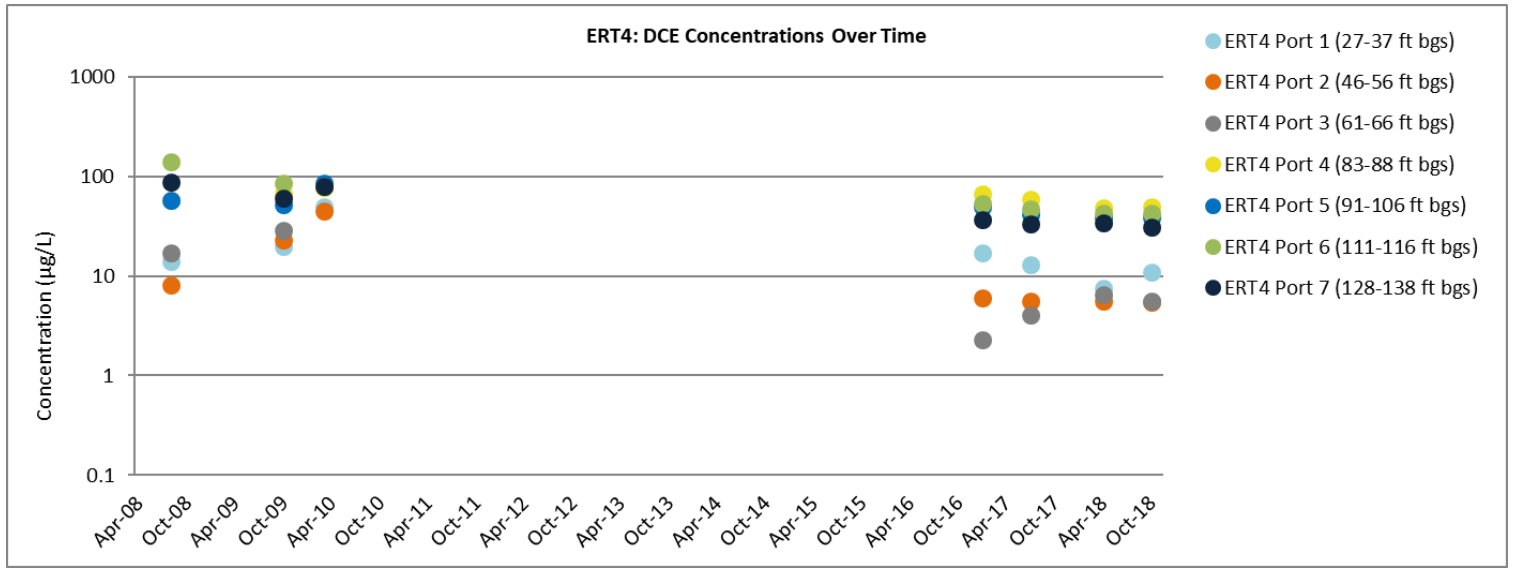
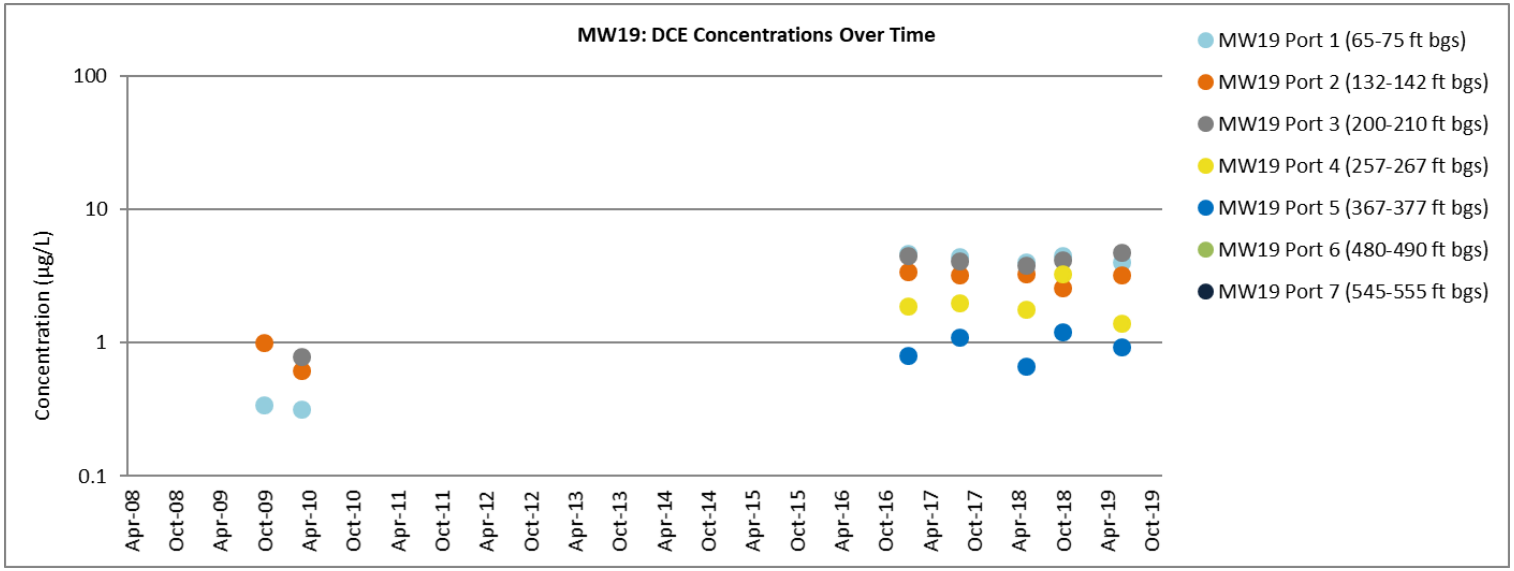
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 1
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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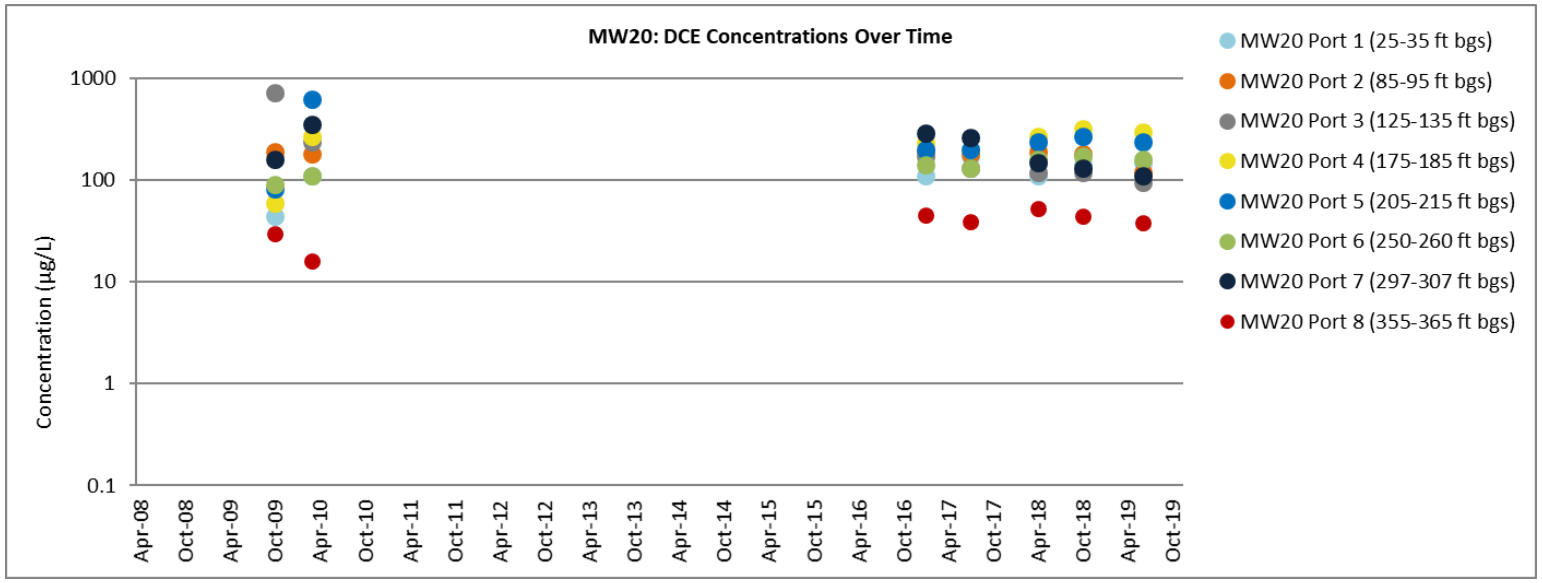
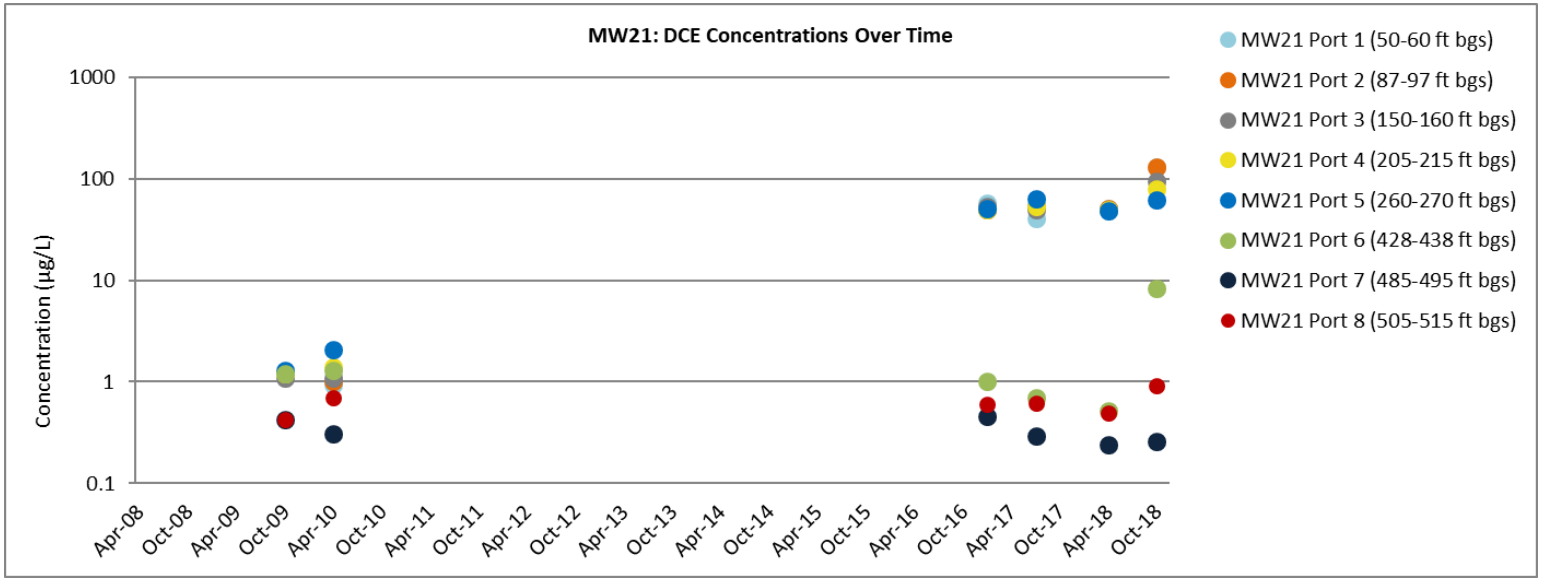
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 1
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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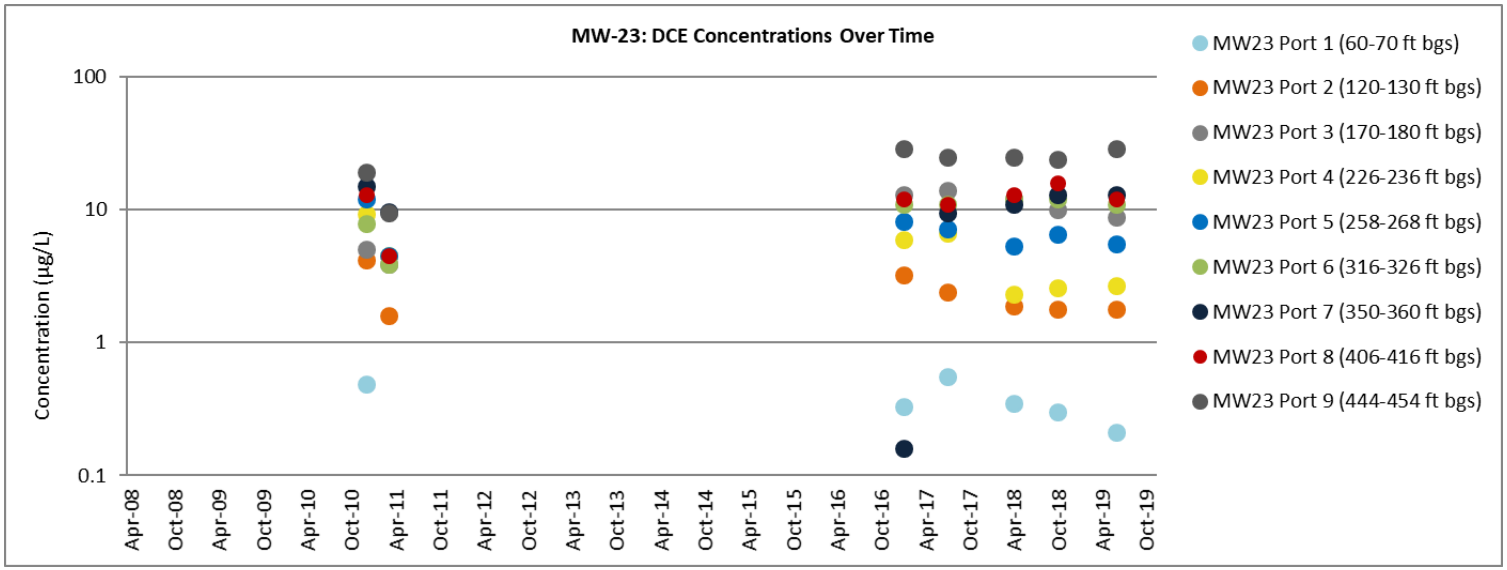
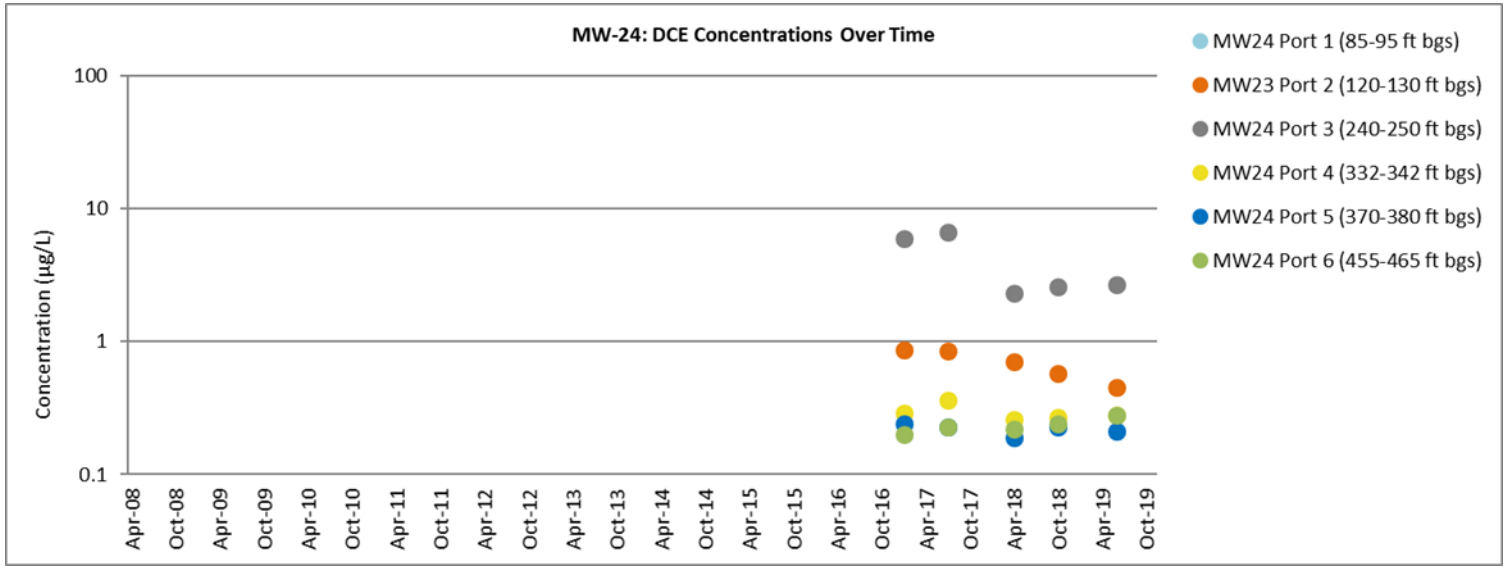
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 1
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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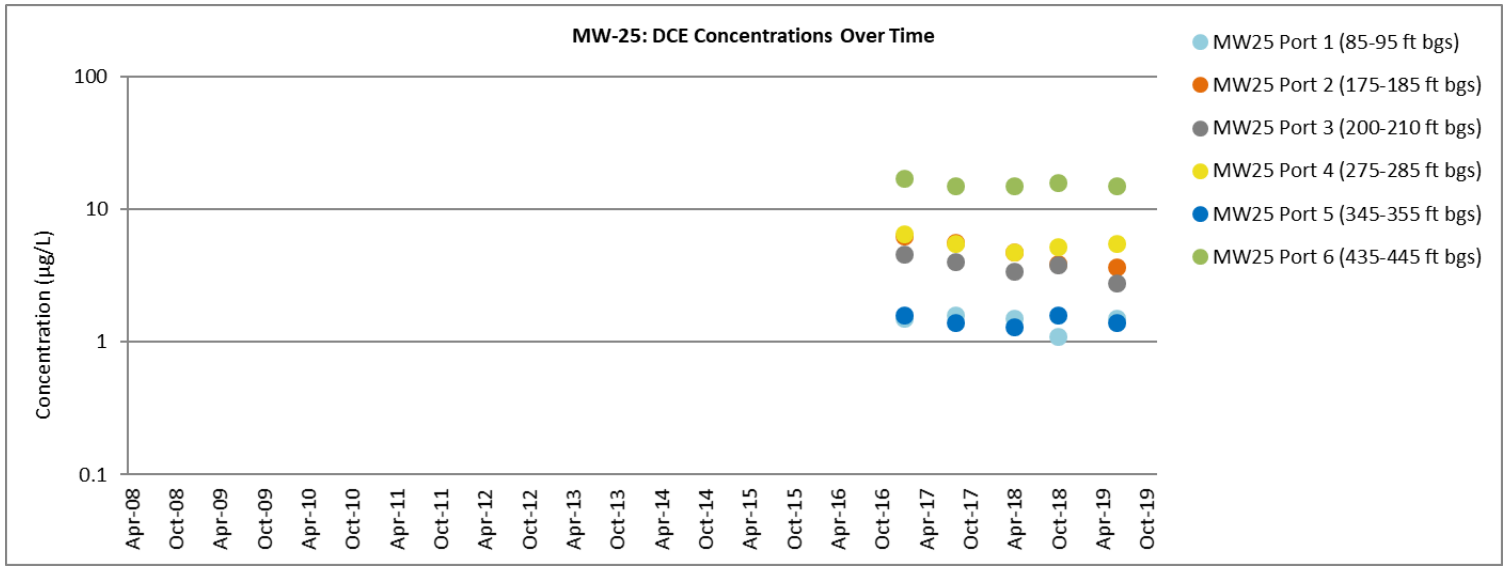
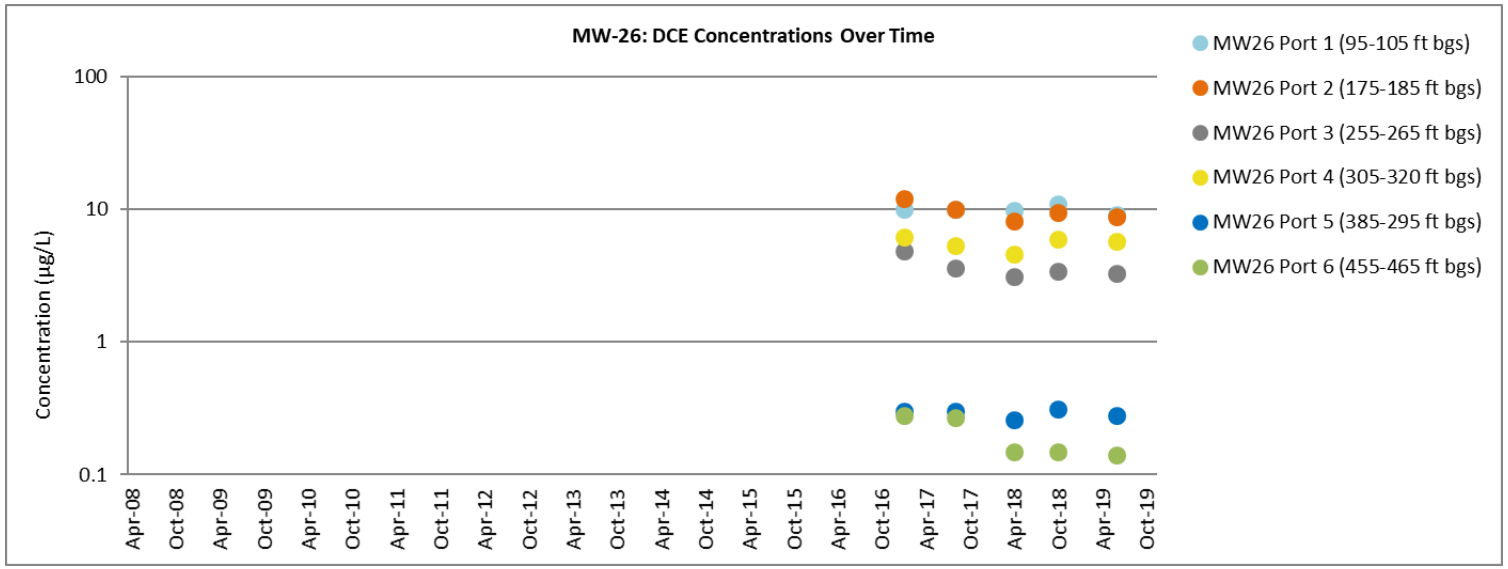
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 1
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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Appendix I3
PCB Trend Graphs

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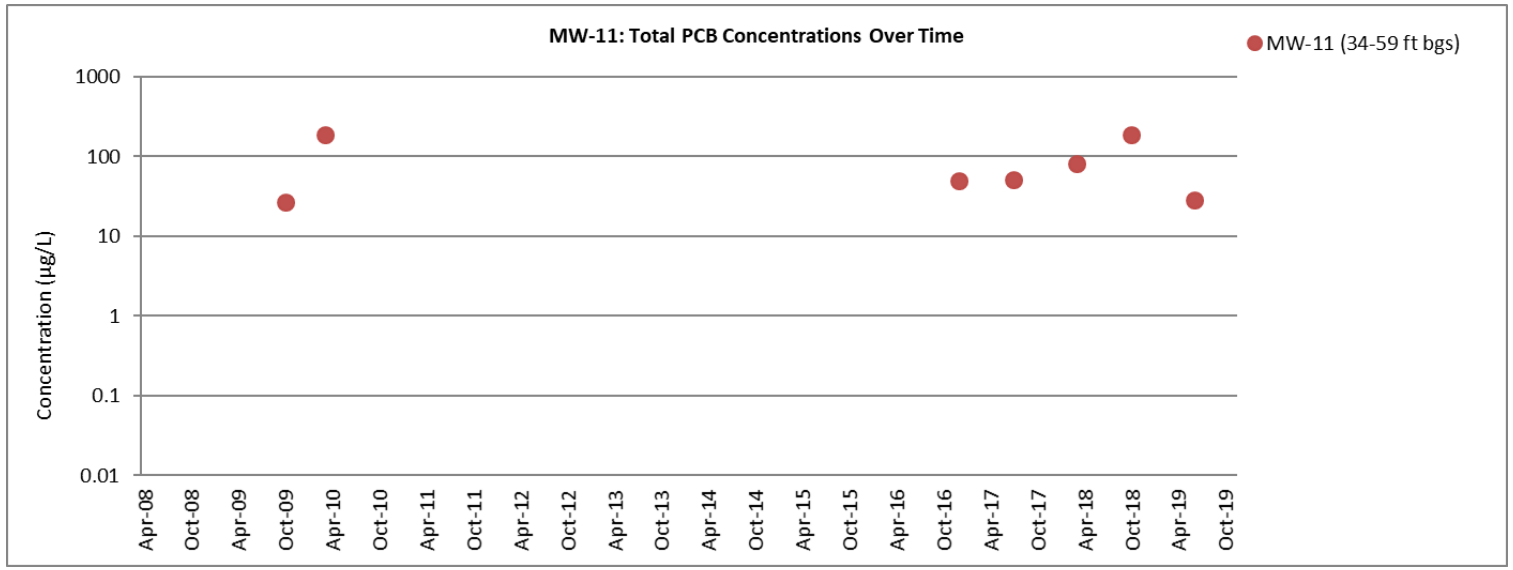
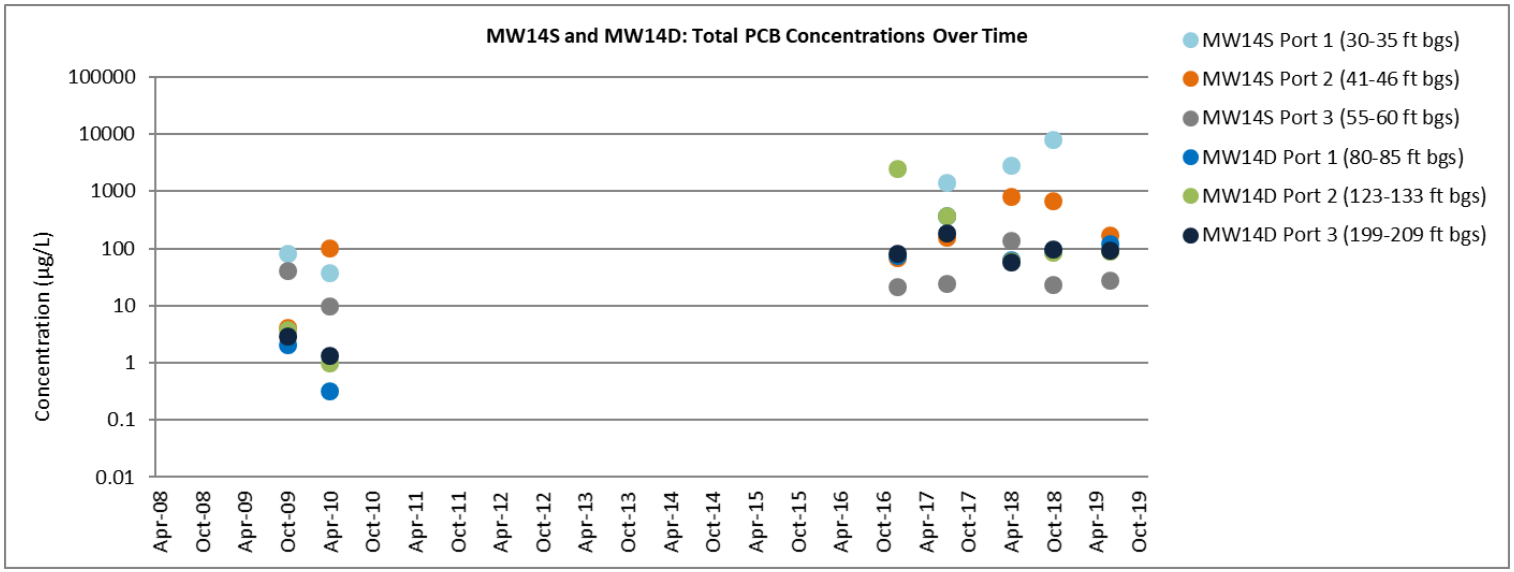
Appendix I
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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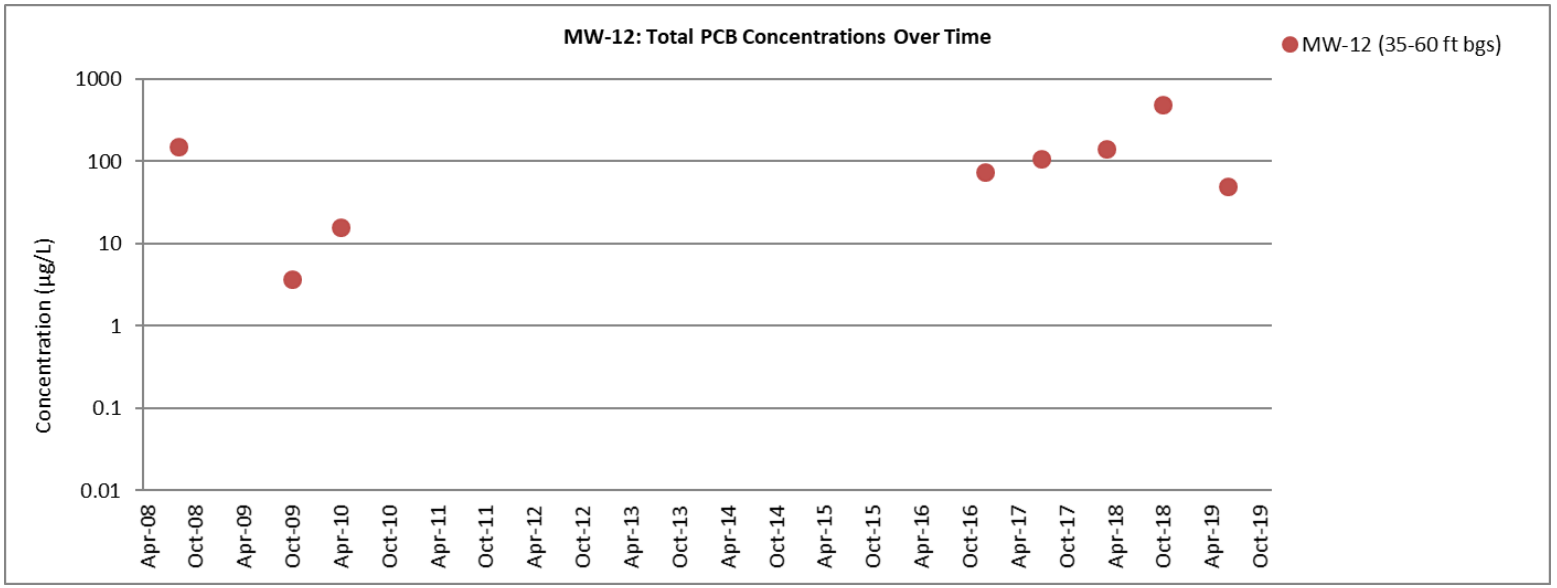
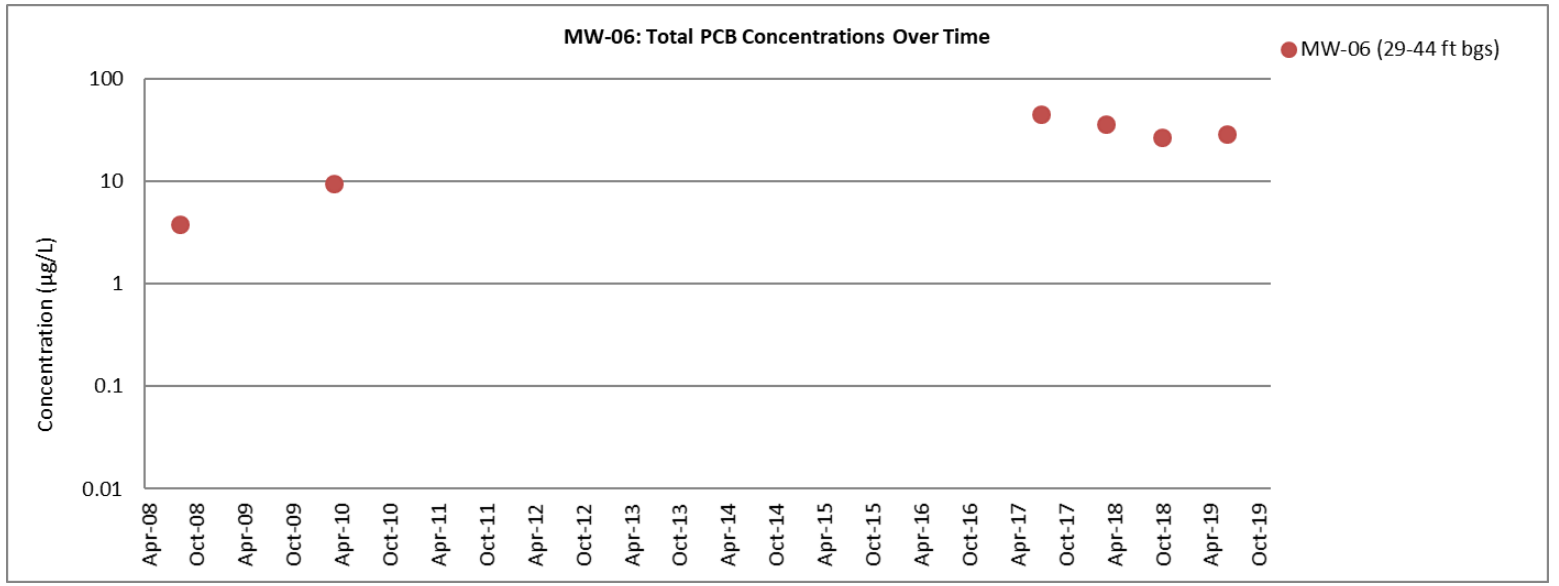
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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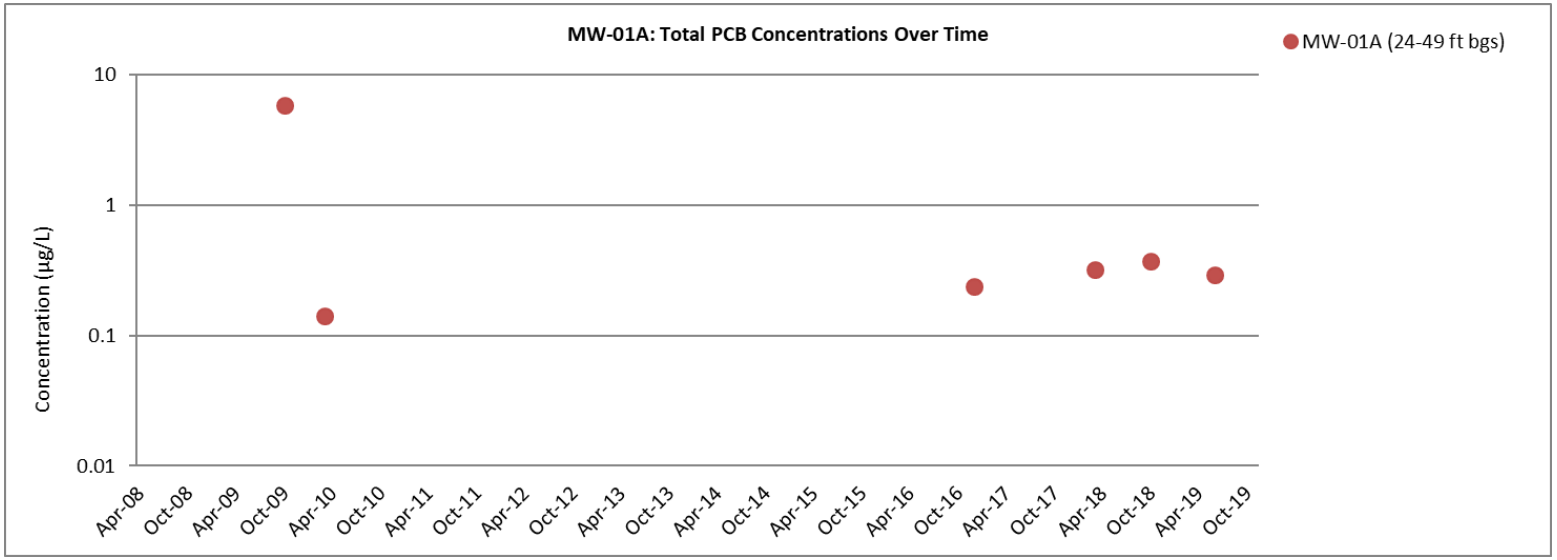
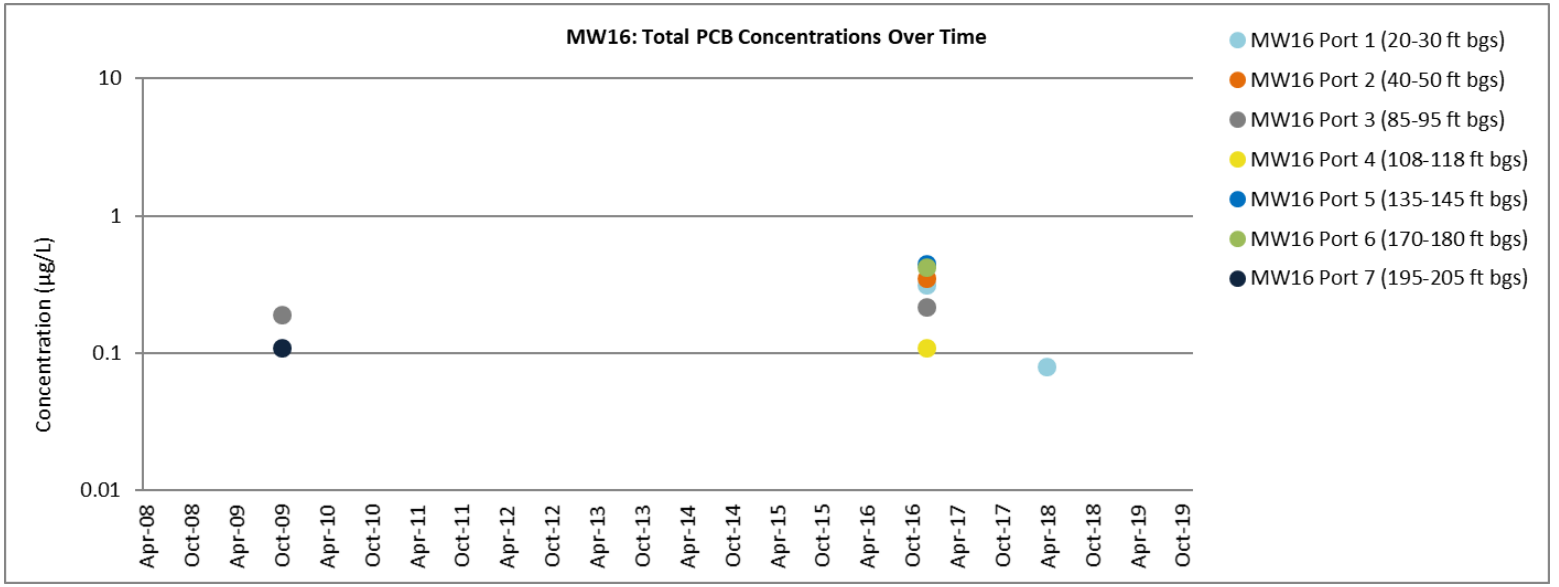
Time-Series Plots for Representative Wells and Select Contaminants
Operable Unit 3 Groundwater Long Term Monitoring Program Year 2
Cornell-Dubilier Electronic Superfund Site, South Plainfield, New Jersey





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Appendix J

Mann Kendall Plots

J1. TCE and Cis,1,2-DCE

MW-10, ERT-1,
MW-11, MW-14S, MW-14D,
MW-01A, MW-16,
ERT-4,
MW-19, MW-20, MW-21,
MW-23, MW-24, MW-25, MW-26

J2. PCBs

MW-11, MW-14S, MW-14D,
MW-12, MW-06,
MW-01A, MW-16

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Appendix J.1
TCE and cis-1,2-DCE

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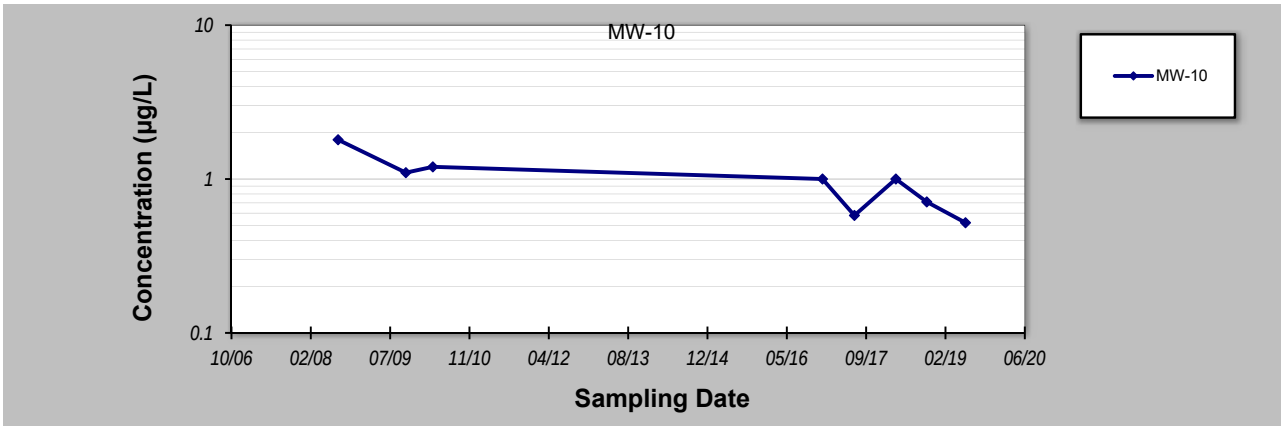
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID: MW-10

Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)
1	8/12/2008	1.80
2	10/13/2009	1.10
3	4/1/2010	1.20
4	12/21/2016	1.00
5	7/10/2017	0.58
6	3/28/2018	1.00
7	10/9/2018	0.71
8	6/10/2019	0.52
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.42
Mann-Kendall Statistic (S):		-21
Confidence Factor:		99.6%
Concentration Trend:		Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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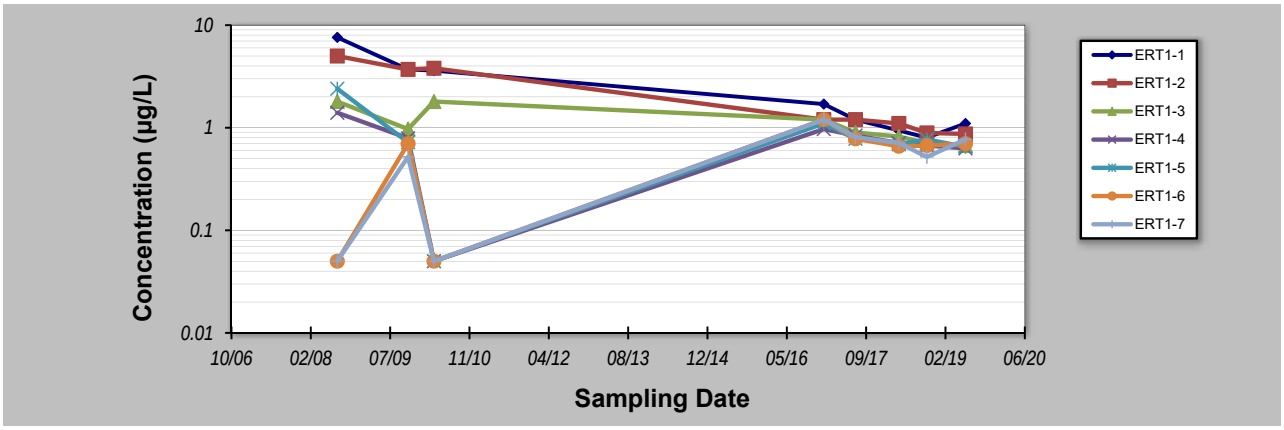
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	ERT1-1	ERT1-2	ERT1-3	ERT1-4	ERT1-5	ERT1-6	ERT1-7
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	8/7/2008	7.60	5.00	1.80	1.40	2.40	0.05	0.05
2	10/27/2009	3.70	3.70	0.97	0.79	0.72	0.70	0.52
3	4/8/2010	3.60	3.80	1.80	0.05	0.05	0.05	0.05
4	12/29/2016	1.70	1.20	1.20	0.97	1.10	1.20	1.20
5	7/17/2017	1.20	1.20	0.90	0.84	0.78	0.78	0.81
6	4/16/2018	0.94	1.10	0.82	0.71	0.69	0.66	0.71
7	10/10/2018	0.80	0.89	0.71	0.67	0.77	0.67	0.52
8	6/10/2019	1.1	0.87	0.67	0.63	0.65	0.70	0.77
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.91	0.75	0.41	0.50	0.75	0.64	0.67
Mann-Kendall Statistic (S):		-24	-25	-23	-14	-10	6	8
Confidence Factor:		99.9%	100.0%	99.9%	94.6%	86.2%	72.6%	80.1%
Concentration Trend:		Decreasing	Decreasing	Decreasing	Prob. Decreasing	Stable	No Trend	No Trend



Notes:

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3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	ERT1-1	ERT1-2	ERT1-3	ERT1-4	ERT1-5	ERT1-6	ERT1-7
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	8/7/2008	2.20	1.70	1.20	1.10	2.10	0.07	0.07
2	10/27/2009	1.40	1.30	0.67	0.69	0.76	0.96	0.73
3	4/8/2010	0.96	1.10	0.07	0.25	0.67	0.07	1.20
4	12/29/2016	0.71	0.07	0.07	0.07	0.84	0.79	0.07
5	7/17/2017	5.00	0.62	0.37	0.43	0.07	0.07	0.07
6	4/16/2018	0.43	0.50	0.34	0.37	0.45	0.59	0.60
7	10/10/2018	0.38	0.37	0.28	0.38	0.51	0.72	0.44
8	6/10/2019	0.540	0.45	0.28	0.35	0.45	0.65	0.81
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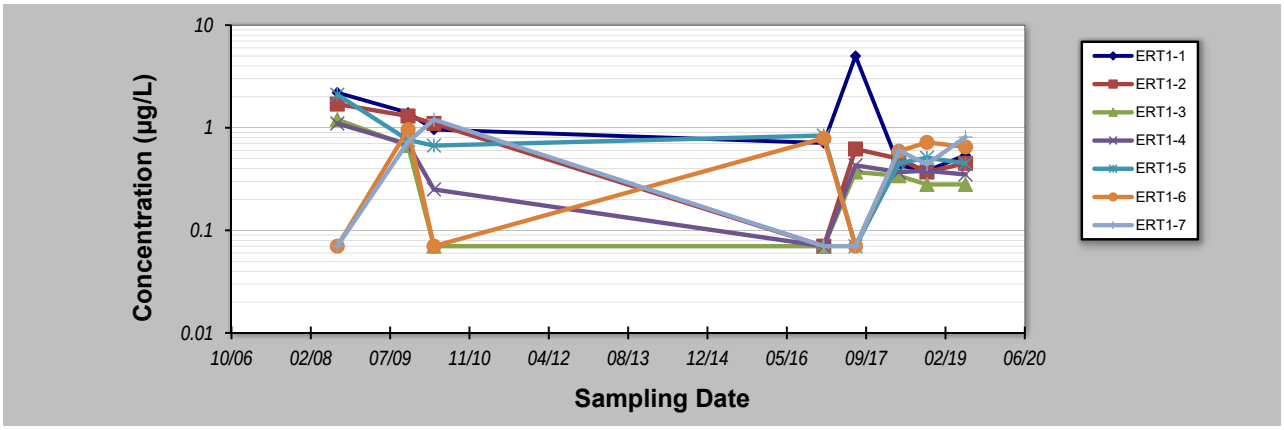
18								
19								
20								
Coefficient of Variation:		1.07	0.72	0.90	0.69	0.82	0.74	0.83
Mann-Kendall Statistic (S):		-16	-18	-10	-10	-15	3	5
Confidence Factor:		96.9%	98.4%	86.2%	86.2%	95.8%	59.4%	68.3%
Concentration Trend:		Decreasing	Decreasing	Stable	Stable	Decreasing	No Trend	No Trend



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID: ERT1-8

Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)
1	8/7/2008	2.60
2	10/27/2009	1.70
3	4/8/2010	0.05
4	12/29/2016	1.80
5	7/17/2017	1.50
6	4/16/2018	1.60
7	10/10/2018	1.60
8	6/10/2019	1.50
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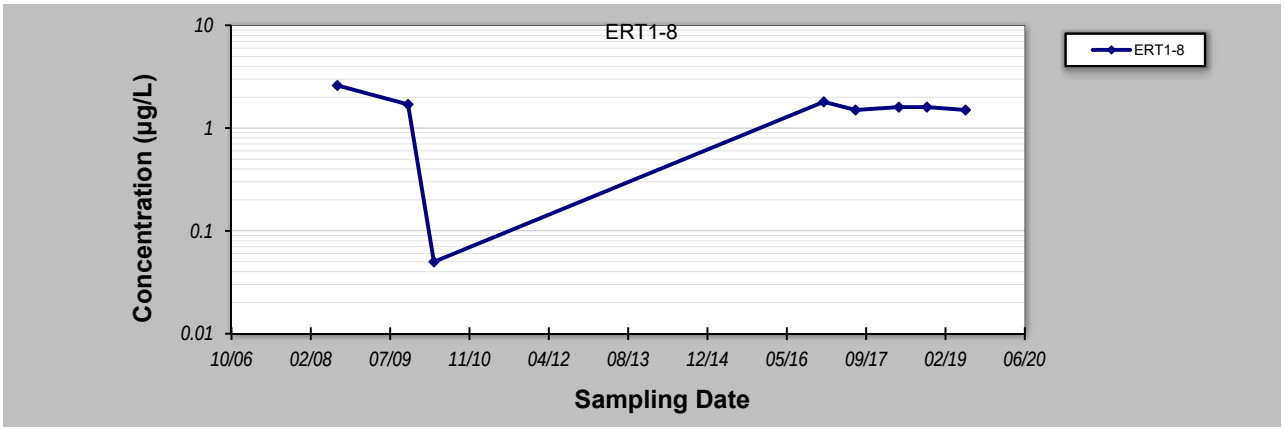
20		
Coefficient of Variation:		0.45
Mann-Kendall Statistic (S):		-10
Confidence Factor:		86.2%
Concentration Trend:		Stable



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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID: ERT1-8

Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)
1	8/7/2008	4.00
2	10/27/2009	3.20
3	4/8/2010	2.20
4	12/29/2016	2.40
5	7/17/2017	1.90
6	4/16/2018	2.10
7	10/10/2018	2.00
8	6/10/2019	1.9
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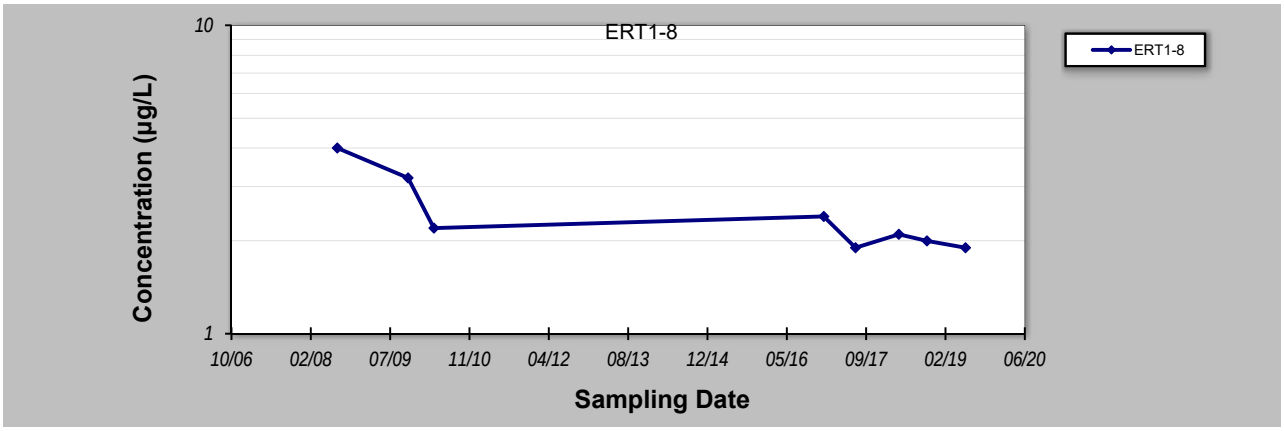
20		
Coefficient of Variation:		0.31
Mann-Kendall Statistic (S):		-21
Confidence Factor:		99.6%
Concentration Trend:		Decreasing



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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID: MW-11

Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)
1	8/12/2008	160000.00
2	10/15/2009	170000.00
3	3/29/2010	23000.00
4	12/20/2016	39000.00
5	7/11/2017	43000.00
6	3/27/2018	8500.00
7	10/9/2018	68000.00
8	6/11/2019	110000.00
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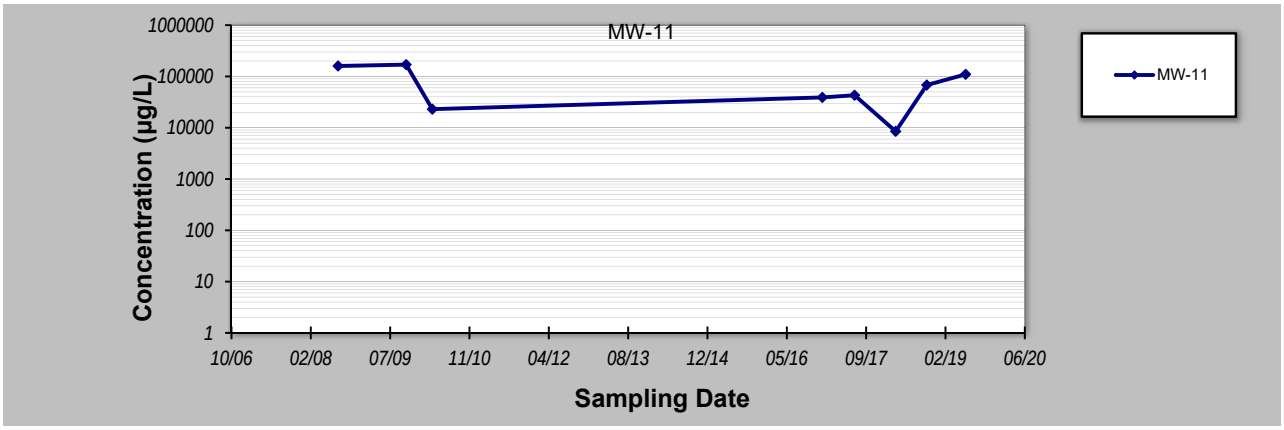
Coefficient of Variation:		0.80
Mann-Kendall Statistic (S):		-2
Confidence Factor:		54.8%
Concentration Trend:		Stable



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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID: MW-11

Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)
1	8/12/2008	310000.00
2	10/15/2009	390000.00
3	3/29/2010	53000.00
4	12/20/2016	72000.00
5	7/11/2017	140000.00
6	3/27/2018	24000.00
7	10/9/2018	210000.00
8	6/11/2019	400000.00
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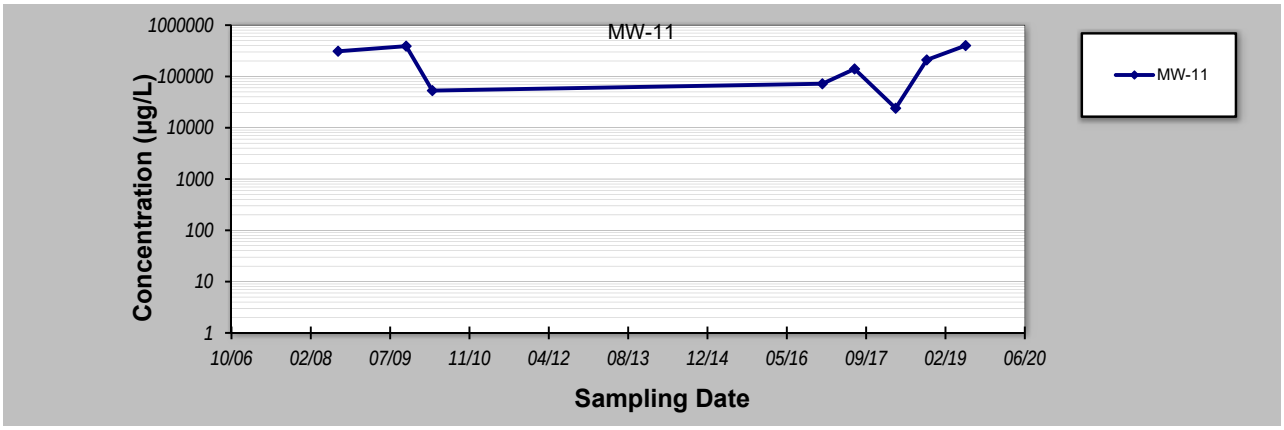
20		
Coefficient of Variation:		0.76
Mann-Kendall Statistic (S):		2
Confidence Factor:		54.8%
Concentration Trend:		No Trend



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-14S-1	MW-14S-2	MW-14S-3				
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	10/14/2009	72000.00	64000.00	30000.00				
2	4/6/2010	17000.00	19000.00	11000.00				
3	12/27/2016		200000.00	86000.00				
4	7/25/2017	26000.00	120000.00	54000.00				
5	4/24/2018	18000.00	100000.00	77000.00				
6	10/10/2018	15000.00	150000.00	91000.00				
7	6/12/2019		190000.00	41000.00				
8								
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10								
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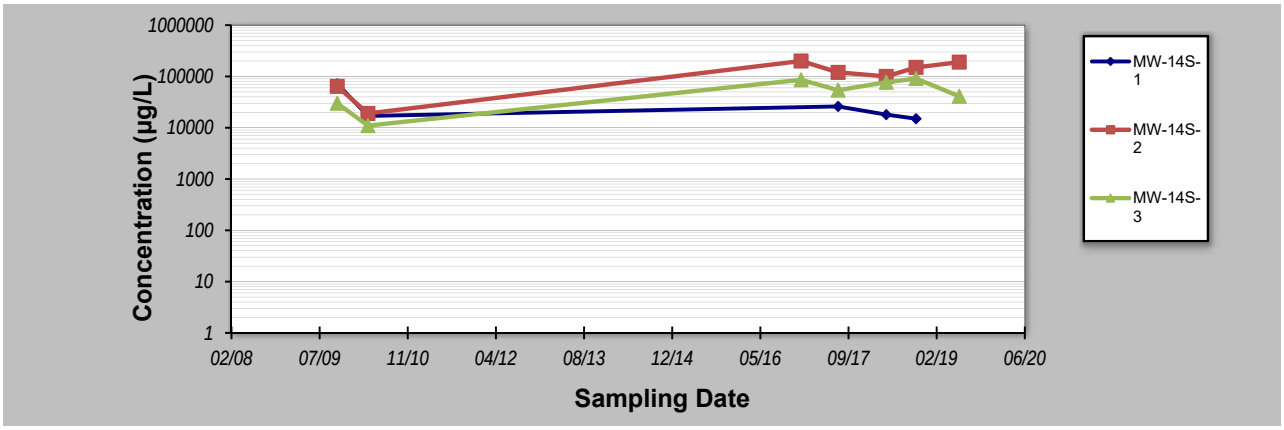
16								
17								
18								
19								
20								
Coefficient of Variation:		0.81	0.55	0.54				
Mann-Kendall Statistic (S):		-6	9	7				
Confidence Factor:		88.3%	88.1%	80.9%				
Concentration Trend:		Stable	No Trend	No Trend				



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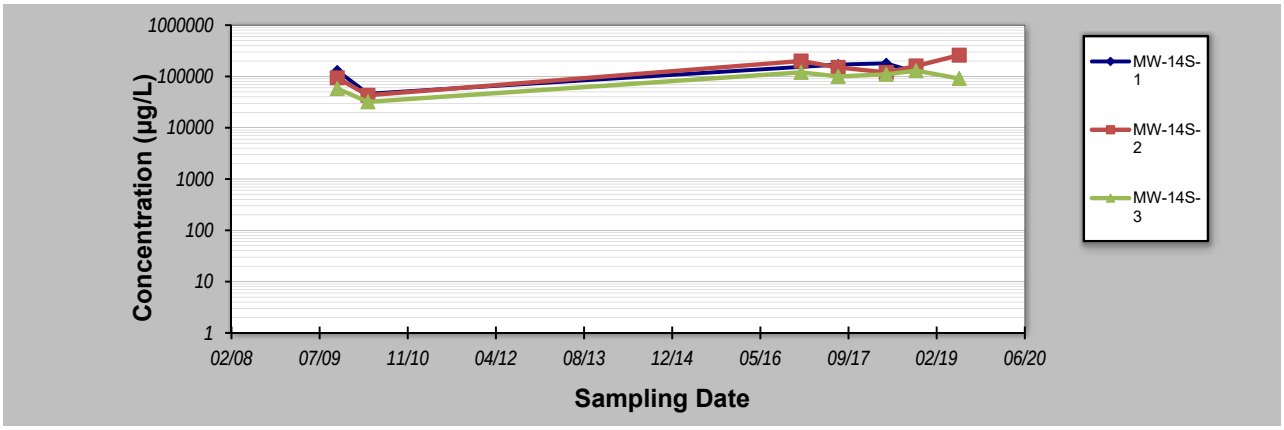
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-14S-1	MW-14S-2	MW-14S-3				
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	10/14/2009	130000.00	94000.00	58000.00				
2	4/6/2010	46000.00	43000.00	32000.00				
3	12/27/2016		200000.00	120000.00				
4	7/25/2017	170000.00	150000.00	100000.00				
5	4/24/2018	180000.00	120000.00	110000.00				
6	10/10/2018	120000.00	160000.00	130000.00				
7	6/12/2019		260000.00	91000.00				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.41	0.48	0.38				
Mann-Kendall Statistic (S):		2	11	7				
Confidence Factor:		59.2%	93.2%	80.9%				
Concentration Trend:		No Trend	Prob. Increasing	No Trend				



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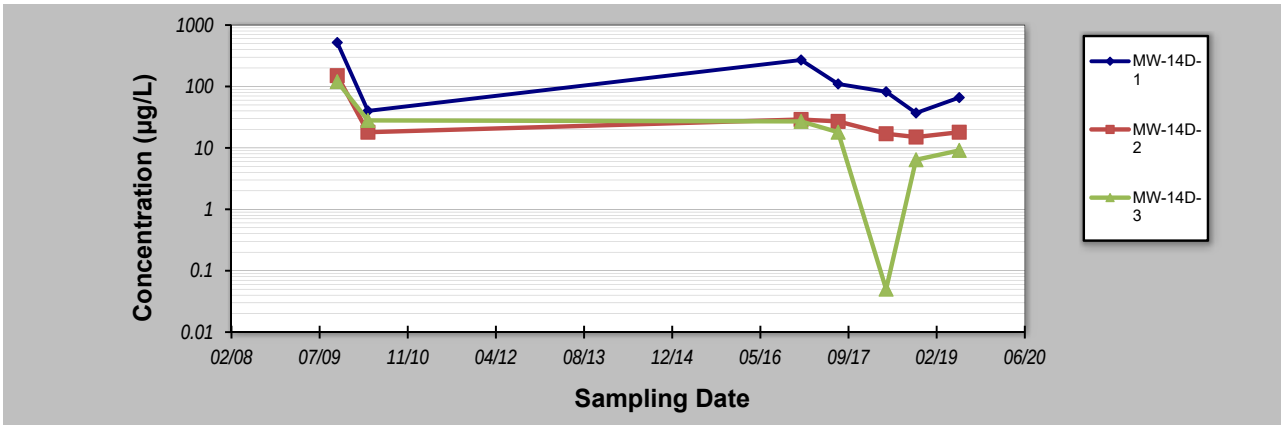
Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-14D-1	MW-14D-2	MW-14D-3				
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	10/14/2009	520.00	150.00	120.00				
2	4/6/2010	40.00	18.00	28.00				
3	12/27/2016	270.00	29.00	27.00				
4	7/25/2017	110.00	27.00	18.00				
5	4/23/2018	82.00	17.00	0.05				
6	10/10/2018	37.00	15.00	6.40				
7	6/12/2019	66.00	18.00	9.10				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.10	1.26	1.38				
Mann-Kendall Statistic (S):		-11	-12	-15				
Confidence Factor:		93.2%	94.9%	98.5%				
Concentration Trend:		Prob. Decreasing	Prob. Decreasing	Decreasing				



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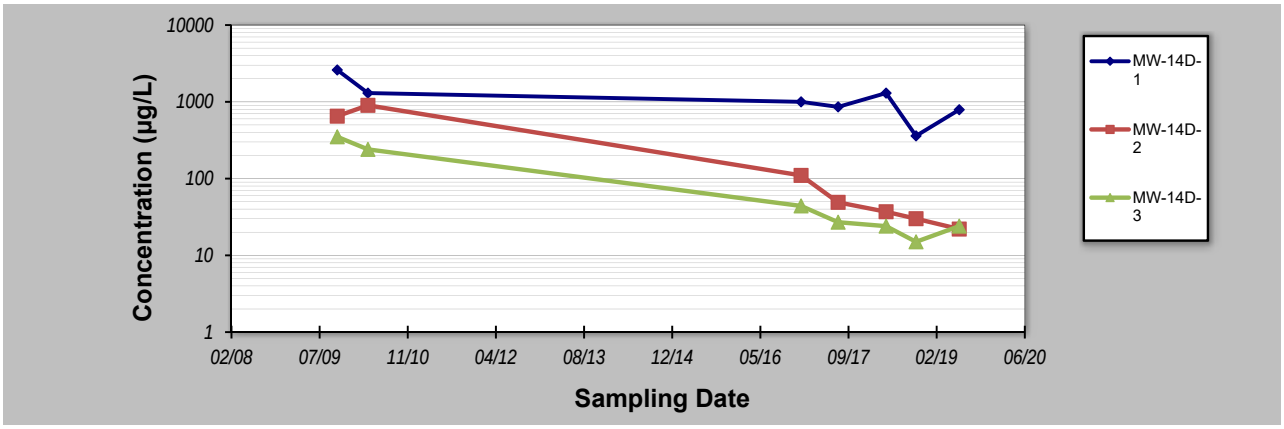
Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-14D-1	MW-14D-2	MW-14D-3				
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	10/14/2009	2600.00	650.00	350.00				
2	4/6/2010	1300.00	900.00	240.00				
3	12/27/2016	1000.00	110.00	44.00				
4	7/25/2017	860.00	49.00	27.00				
5	4/23/2018	1300.00	37.00	24.00				
6	10/10/2018	360.00	30.00	15.00				
7	6/12/2019	790.00	22.00	24.00				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		0.60	1.41	1.30				
Mann-Kendall Statistic (S):		-14	#NAME?	-18				
Confidence Factor:		97.5%	#NAME?	99.7%				
Concentration Trend:		Decreasing	#NAME?	Decreasing				



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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID: MW-01A

Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)
1	8/12/2008	1,000
2	10/14/2009	2,000
3	3/24/2010	2,300
4	12/20/2016	330
5	7/11/2017	360
6	3/28/2018	390
7	10/8/2018	170
8	6/11/2019	340
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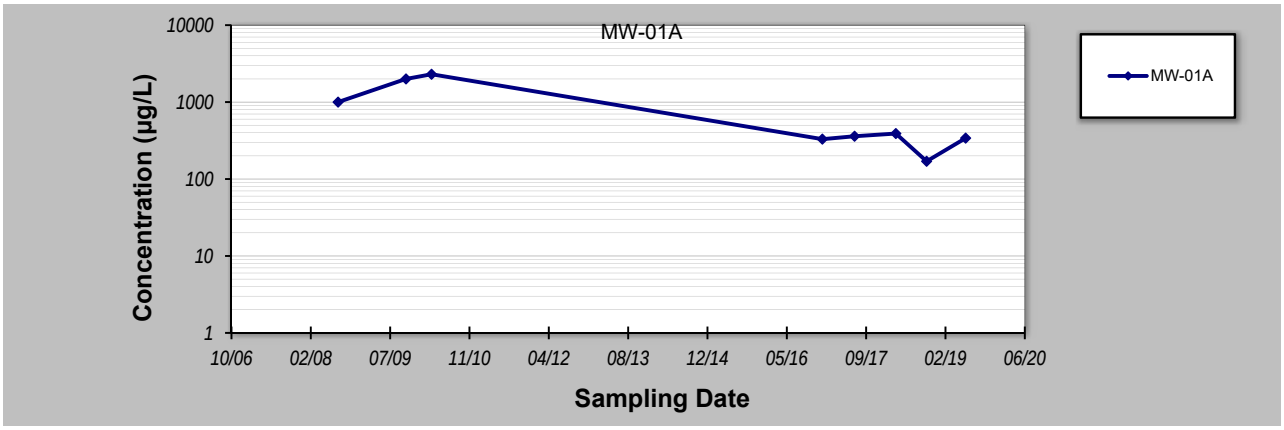
20		
Coefficient of Variation:		0.97
Mann-Kendall Statistic (S):		-12
Confidence Factor:		91.1%
Concentration Trend:		Prob. Decreasing



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3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID: MW-01A

Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)
1	8/12/2008	1700.00
2	10/14/2009	1400.00
3	3/24/2010	1200.00
4	12/20/2016	810.00
5	7/11/2017	600.00
6	3/28/2018	410.00
7	10/8/2018	260.00
8	6/11/2019	560.00
9		
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14		
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17		
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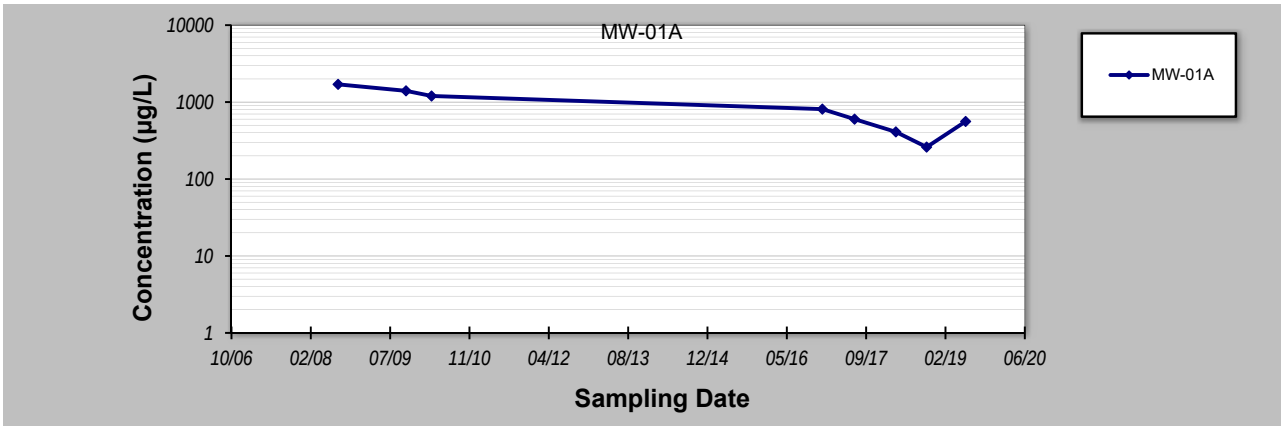
20		
Coefficient of Variation:		0.59
Mann-Kendall Statistic (S):		-24
Confidence Factor:		99.9%
Concentration Trend:		Decreasing



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-16-1	MW-16-2	MW-16-3	MW-16-4	MW-16-5	MW-16-6	MW-16-7
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	10/22/2009	520.00	590.00	1,600.00	7,800.00	2,000.00	760.00	690.00
2	4/7/2010	320.00	24.00	620.00	1,600.00	26.00	1.60	280.00
3	12/28/2016	710.00	1,000.00	4,300.00	4,800.00	2,900.00	220.00	290.00
4	7/19/2017	400.00	630.00	3,400.00	4,600.00	3,900.00	120.00	340.00
5	4/5/2018	420.00	660.00	3,500.00	3,700.00	2,400.00	120.00	420.00
6	10/15/2018	350.00	490.00	2,900.00	3,700.00	2,400.00	71.00	460.00
7	6/11/2019	330.00	460.00	2700.00	3000.00	2000.00	66.00	450.00
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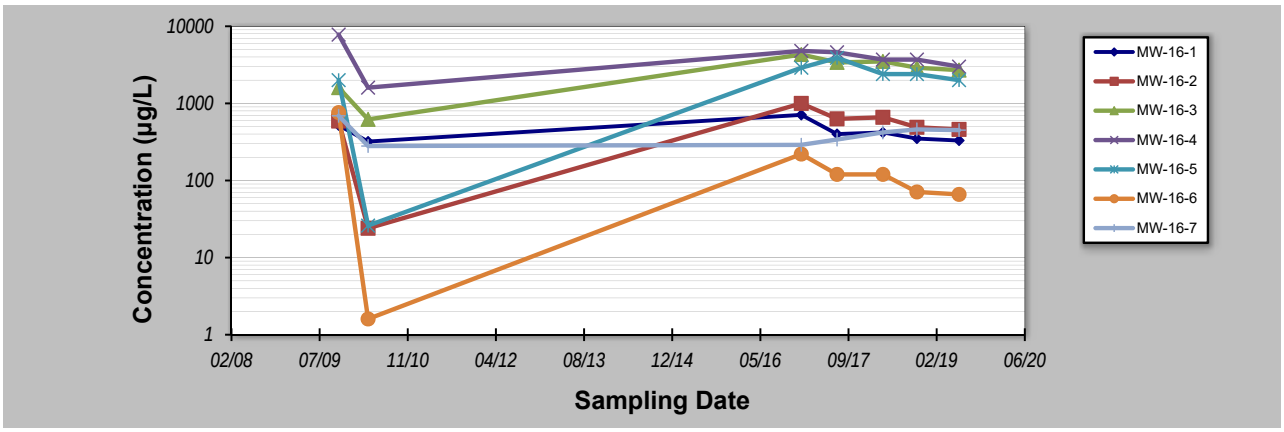
Coefficient of Variation:		0.32	0.53	0.46	0.46	0.53	1.33	0.34
Mann-Kendall Statistic (S):		-7	-3	1	-10	1	-10	7
Confidence Factor:		80.9%	61.4%	50.0%	90.7%	50.0%	90.7%	80.9%
Concentration Trend:		Stable	Stable	No Trend	Prob. Decreasing	No Trend	Prob. Decreasing	No Trend



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-16-1	MW-16-2	MW-16-3	MW-16-4	MW-16-5	MW-16-6	MW-16-7
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	10/22/2009	420.00	490.00	340.00	550.00	790.00	410.00	370.00
2	4/7/2010	300.00	780.00	470.00	1100.00	590.00	420.00	180.00
3	12/28/2016	430.00	680.00	430.00	830.00	970.00	360.00	230.00
4	7/19/2017	290.00	490.00	410.00	780.00	830.00	240.00	280.00
5	4/5/2018	300.00	510.00	470.00	830.00	950.00	230.00	390.00
6	10/15/2018	290.00	460.00	490.00	840.00	960.00	190.00	560.00
7	6/11/2019	260.00	420.00	470.00	740.00	850.00	150.00	550.00
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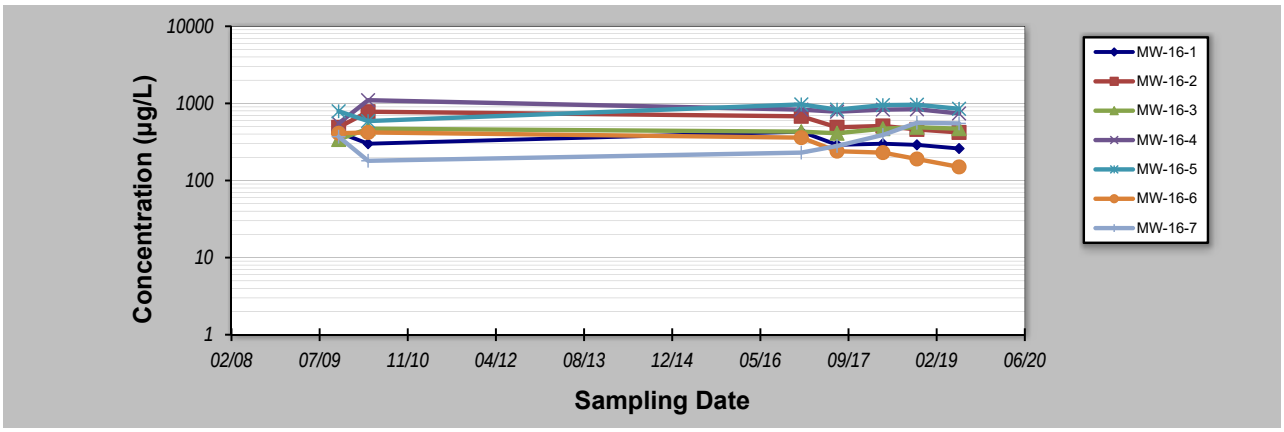
Coefficient of Variation:		0.21	0.24	0.12	0.20	0.16	0.38	0.41
Mann-Kendall Statistic (S):		-13	-12	10	0	7	-19	13
Confidence Factor:		96.5%	94.9%	90.7%	37.9%	80.9%	99.9%	96.5%
Concentration Trend:		Decreasing	Prob. Decreasing	Prob. Increasing	Stable	No Trend	Decreasing	Increasing



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	ERT4-1	ERT4-2	ERT4-3	ERT4-4	ERT4-5	ERT4-6	ERT4-7
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	8/6/2008	82.00	49.00	93.00	480.00	960.00	420.00	650.00
2	10/26/2009	93.00	150.00	190.00	330.00	300.00	560.00	290.00
3	3/25/2010	310.00	290.00	0.05	460.00	480.00	440.00	450.00
4	1/17/2017	38.00	20.00	5.40	180.00	53.00	22.00	6.90
5	7/20/2017	35.00	17.00	7.00	100.00	30.00	13.00	4.70
6	4/2/2018	29.00	16.00	8.40	56.00	26.00	12.00	4.80
7	10/18/2018	29.00	15.00	5.60	41.00	23.00	8.60	4.80
8	6/12/2019	23.00	16.00	19.00	10.00	14.00	18.00	11.00
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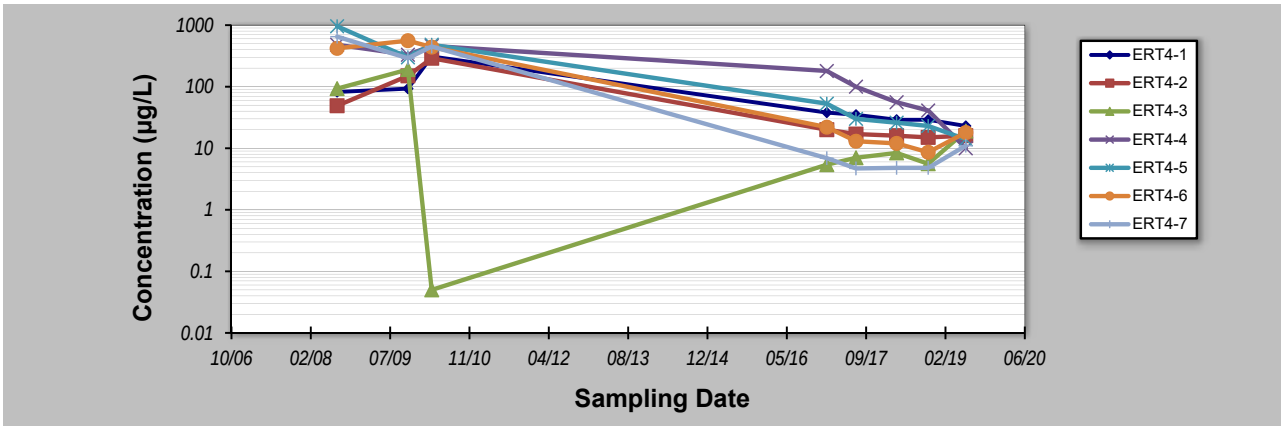
Coefficient of Variation:		1.21	1.39	1.64	0.92	1.44	1.29	1.44
Mann-Kendall Statistic (S):		-21	-19	0	-26	-26	-18	-13
Confidence Factor:		99.6%	98.9%	45.2%	100.0%	100.0%	98.4%	92.9%
Concentration Trend:		Decreasing	Decreasing	No Trend	Decreasing	Decreasing	Decreasing	Prob. Decreasing



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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	ERT4-1	ERT4-2	ERT4-3	ERT4-4	ERT4-5	ERT4-6	ERT4-7
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	8/6/2008	14.00	8.10	17.00	58.00	57.00	140.00	87.00
2	10/26/2009	20.00	23.00	29.00	66.00	52.00	85.00	61.00
3	3/25/2010	49.00	45.00	0.07	77.00	85.00	80.00	80.00
4	1/17/2017	17.00	6.00	2.30	67.00	50.00	53.00	37.00
5	7/20/2017	13.00	5.60	4.10	59.00	42.00	47.00	33.00
6	4/2/2018	7.60	5.60	6.50	48.00	39.00	43.00	34.00
7	10/18/2018	11.00	5.40	5.60	49.00	39.00	43.00	31.00
8	6/12/2019	12.00	9.70	8.30	25.00	31.00	29.00	11.00
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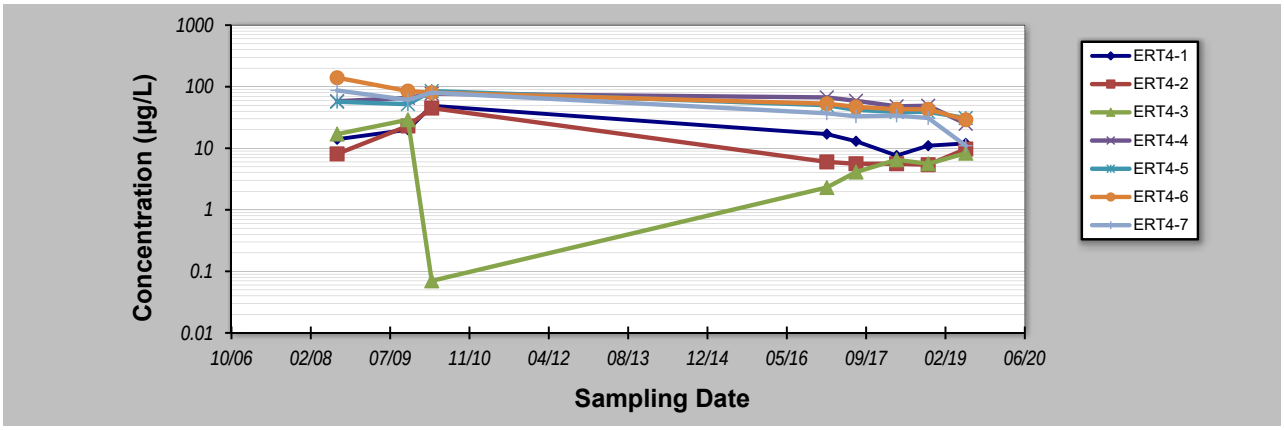
Coefficient of Variation:		0.73	1.03	1.04	0.28	0.34	0.55	0.57
Mann-Kendall Statistic (S):		-14	-11	2	-14	-23	-27	-24
Confidence Factor:		94.6%	88.7%	54.8%	94.6%	99.9%	>99.9%	99.9%
Concentration Trend:		Prob. Decreasing	No Trend	No Trend	Prob. Decreasing	Decreasing	Decreasing	Decreasing



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-19-1	MW-19-2	MW-19-3	MW-19-4	MW-19-5	MW-19-6	MW-19-7
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	10/15/2009	3.30	20.00	4.00	1.20	0.46		
2	3/29/2010	4.20	13.00	24.00	0.28	3.80		
3	1/19/2017	22.00	48.00	44.00	9.10	6.00		
4	8/1/2017	21.00	46.00	47.00	12.00	9.00		
5	5/2/2018	25.00	42.00	36.00	6.10	4.10		
6	10/18/2018	21.00	40.00	18.00	2.90	7.90		
7	6/5/2019	5.40	42.00	40.00	2.40	8.60	0.086	0.00
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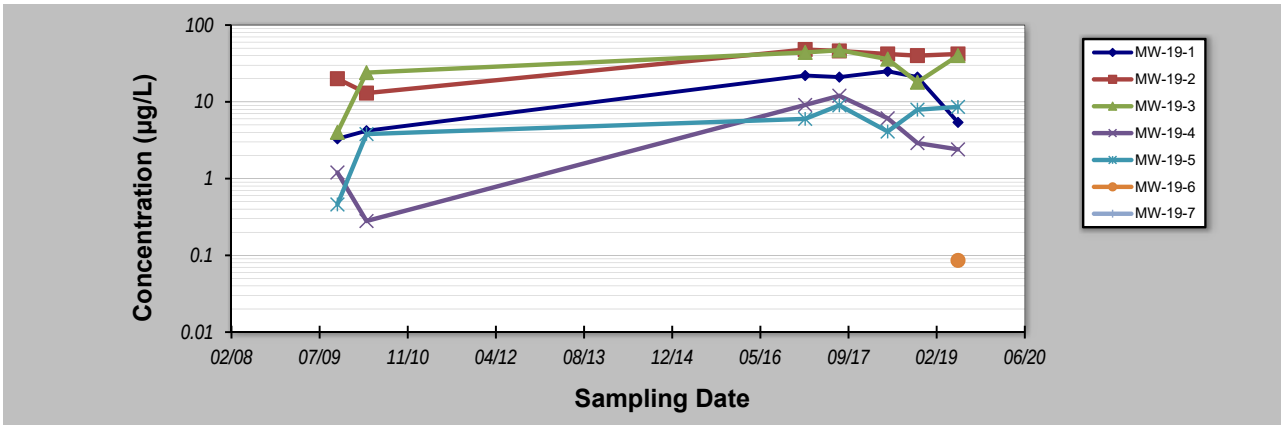
Coefficient of Variation:		0.67	0.38	0.52	0.90	0.55		
Mann-Kendall Statistic (S):		6	2	5	1	13		
Confidence Factor:		76.4%	55.7%	71.9%	50.0%	96.5%		
Concentration Trend:		No Trend	No Trend	No Trend	No Trend	Increasing		



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-19-1	MW-19-2	MW-19-3	MW-19-4	MW-19-5	MW-19-6	MW-19-7
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	10/15/2009	0.34	1.00	0.07	0.07	0.07		
2	3/29/2010	0.32	0.62	0.79	0.07	0.07		
3	1/19/2017	4.70	3.40	4.50	1.90	0.81		
4	8/1/2017	4.40	3.20	4.10	2.00	1.10		
5	5/2/2018	4.00	3.30	3.80	1.80	0.67		
6	10/18/2018	4.50	2.60	4.20	3.30	1.20		
7	6/5/2019	4.00	3.20	4.80	1.40	0.94	0.00	0.00
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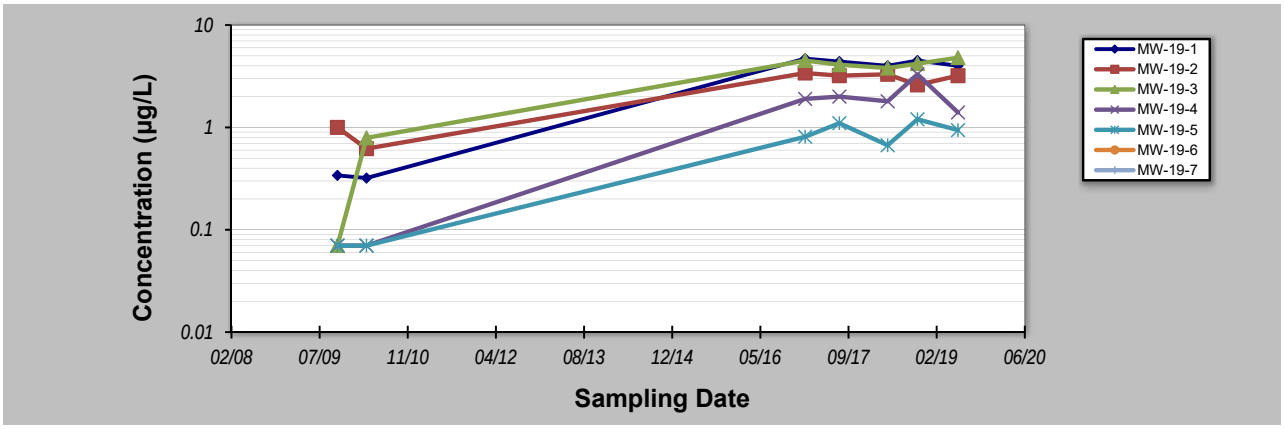
Coefficient of Variation:		0.62	0.47	0.60	0.76	0.66		
Mann-Kendall Statistic (S):		4	4	13	8	12		
Confidence Factor:		66.7%	66.7%	96.5%	84.5%	94.9%		
Concentration Trend:		No Trend	No Trend	Increasing	No Trend	Prob. Increasing		



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-20-1	MW-20-2	MW-20-3	MW-20-4	MW-20-5	MW-20-6	MW-20-7
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	10/16/2009	110.00	240.00	330.00	300.00	420.00	620.00	650.00
2	3/29/2010	13.00	190.00	580.00	230.00	730.00	310.00	880.00
3	1/11/2017	13.00	350.00	590.00	360.00	340.00	700.00	1,100.00
4	7/24/2017	5.50	310.00	450.00	350.00	460.00	740.00	940.00
5	4/10/2018	3.70	240.00	370.00	320.00	450.00	800.00	56.00
6	10/16/2018	3.80	160.00	290.00	260.00	400.00	760.00	36.00
7	6/5/2019	5.30	140.00	240.00	140.00	170.00	420.00	31.00
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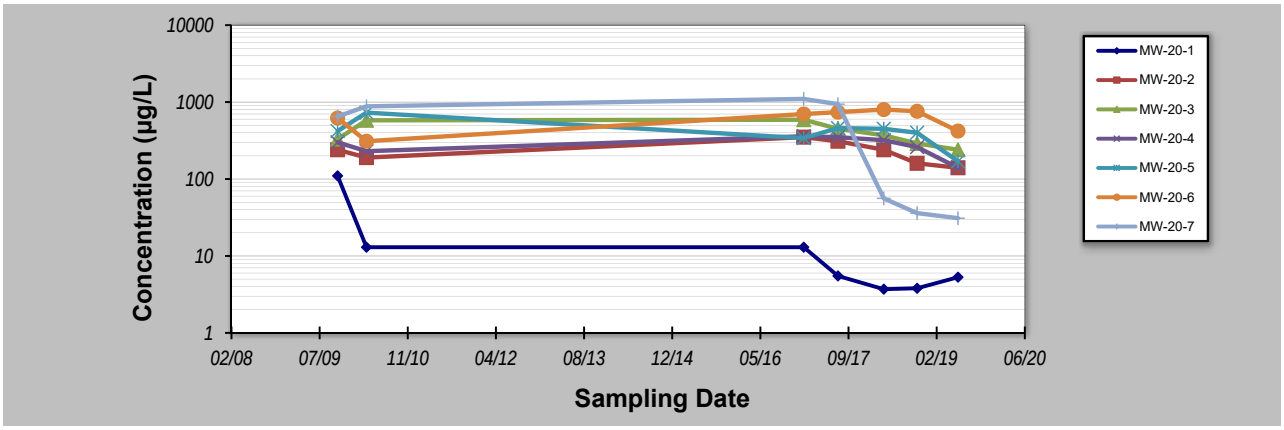
Coefficient of Variation:		1.77	0.33	0.34	0.28	0.39	0.30	0.90
Mann-Kendall Statistic (S):		-14	-10	-11	-7	-9	7	-11
Confidence Factor:		97.5%	90.7%	93.2%	80.9%	88.1%	80.9%	93.2%
Concentration Trend:		Decreasing	Prob. Decreasing	Prob. Decreasing	Stable	Stable	No Trend	Prob. Decreasing



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-20-1	MW-20-2	MW-20-3	MW-20-4	MW-20-5	MW-20-6	MW-20-7
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	10/16/2009	44.00	190.00	730.00	60.00	81.00	90.00	160.00
2	3/29/2010	110.00	180.00	240.00	270.00	630.00	110.00	350.00
3	1/11/2017	110.00	190.00	170.00	230.00	200.00	140.00	290.00
4	7/24/2017	170.00	180.00	130.00	200.00	200.00	130.00	260.00
5	4/10/2018	110.00	190.00	120.00	270.00	240.00	160.00	150.00
6	10/16/2018	140.00	180.00	120.00	320.00	270.00	170.00	130.00
7	6/5/2019	150.00	120.00	95.00	300.00	330.00	250.00	110.00
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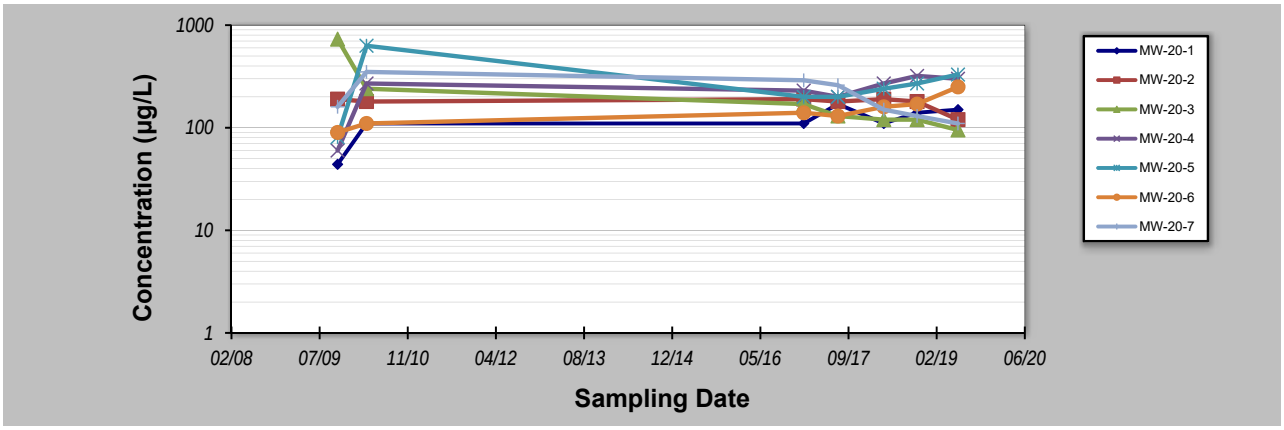
18								
19								
20								
Coefficient of Variation:		0.34	0.14	0.99	0.37	0.62	0.35	0.44
Mann-Kendall Statistic (S):		12	-9	-20	12	10	19	-15
Confidence Factor:		94.9%	88.1%	100.0%	94.9%	90.7%	99.9%	98.5%
Concentration Trend:		Prob. Increasing	Stable	Decreasing	Prob. Increasing	Prob. Increasing	Increasing	Decreasing



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID: MW-20-8

Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)
1	10/16/2009	160.00
2	3/29/2010	170.00
3	1/11/2017	280.00
4	7/24/2017	260.00
5	4/10/2018	270.00
6	10/16/2018	310.00
7	6/5/2019	280.00
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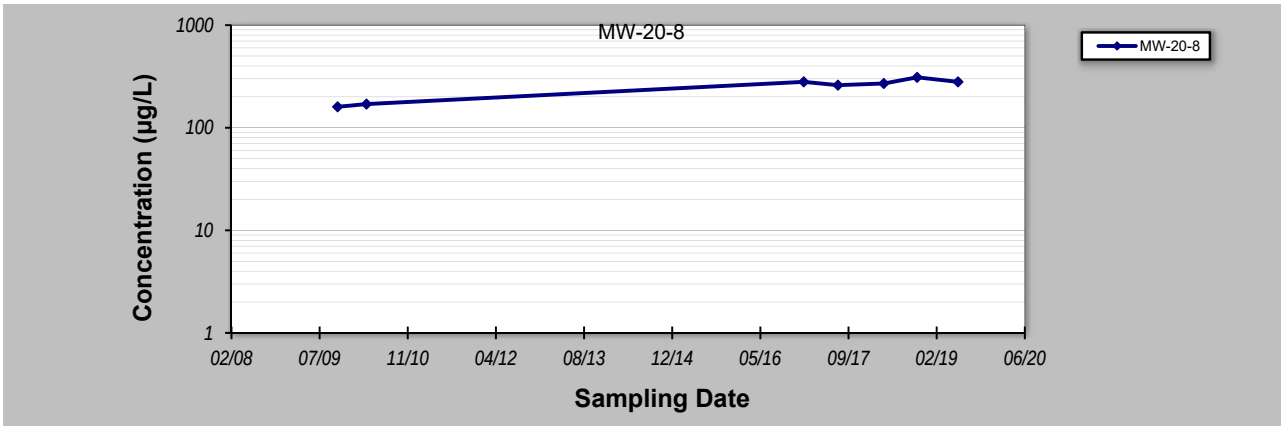
Coefficient of Variation:		0.24
Mann-Kendall Statistic (S):		14
Confidence Factor:		97.5%
Concentration Trend:		Increasing



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID: MW-20-8

Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)
1	10/16/2009	30.00
2	3/29/2010	16.00
3	1/11/2017	45.00
4	7/24/2017	39.00
5	4/10/2018	53.00
6	10/16/2018	44.00
7	6/5/2019	38.00
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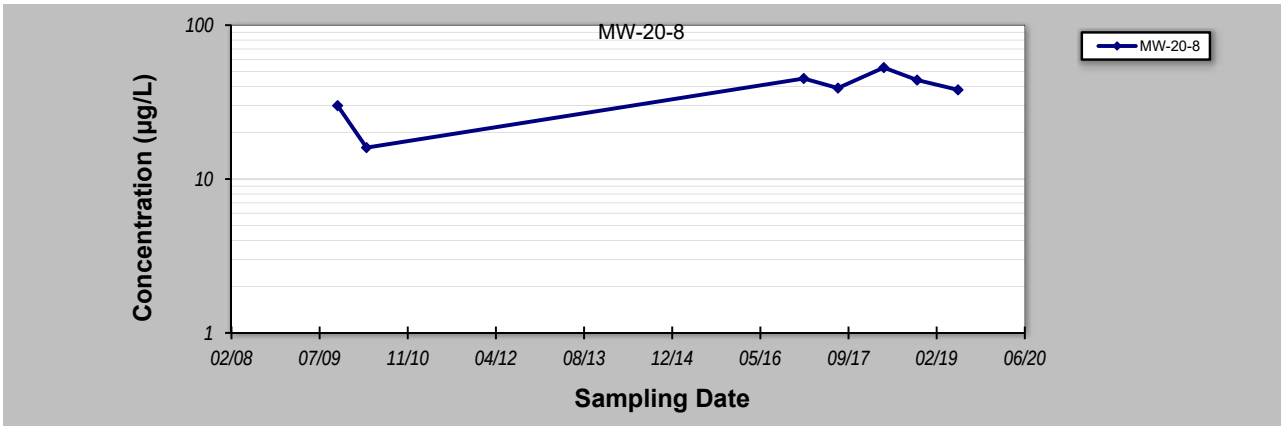
Coefficient of Variation:		0.32
Mann-Kendall Statistic (S):		5
Confidence Factor:		71.9%
Concentration Trend:		No Trend



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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-21-1	MW-21-2	MW-21-3	MW-21-4	MW-21-5	MW-21-6	MW-21-7
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	10/22/2009	1.80	1.80	13.00	14.00	13.00	3.90	1.90
2	4/15/2010	18.00	19.00	19.00	22.00	25.00	23.00	1.90
3	1/19/2017	230.00	280.00	300.00	320.00	290.00	17.00	4.90
4	7/28/2017	290.00	340.00	310.00	340.00	400.00	10.00	4.00
5	4/9/2018	320.00	320.00	340.00	330.00	320.00	7.20	3.10
6	10/17/2018	130.00	190.00	210.00	250.00	240.00	38.00	3.00
7	6/12/2019	27.00	18.00	18.00	17.00	7.20	8.90	2.50
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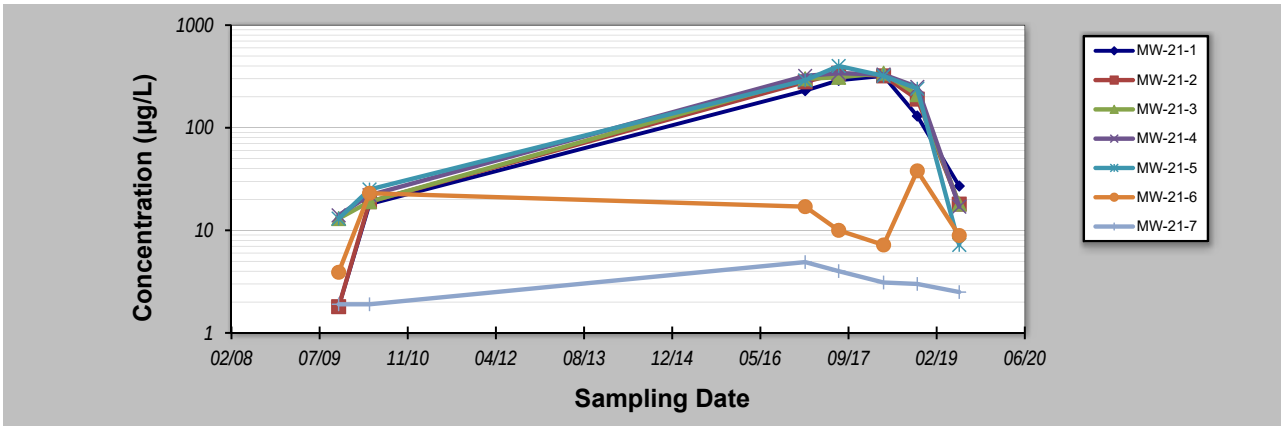
Coefficient of Variation:		0.93	0.91	0.88	0.86	0.90	0.77	0.36
Mann-Kendall Statistic (S):		7	3	5	3	1	1	0
Confidence Factor:		80.9%	61.4%	71.9%	61.4%	50.0%	50.0%	37.9%
Concentration Trend:		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	Stable



Notes:

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3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-21-1	MW-21-2	MW-21-3	MW-21-4	MW-21-5	MW-21-6	MW-21-7
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	10/22/2009	*0.07*	*0.07*	1.10	1.20	1.30	1.20	0.42
2	4/15/2010	0.93	1.00	1.10	1.40	2.10	1.30	0.31
3	1/19/2017	57.00	49.00	53.00	50.00	51.00	1.00	0.46
4	7/28/2017	41.00	53.00	50.00	53.00	63.00	0.70	0.29
5	4/9/2018	51.00	51.00	50.00	49.00	48.00	0.52	0.24
6	10/17/2018	130.00	130.00	95.00	80.00	62.00	8.30	0.26
7	6/12/2019	32.00	37.00	34.00	40.00	11.00	2.10	1.70
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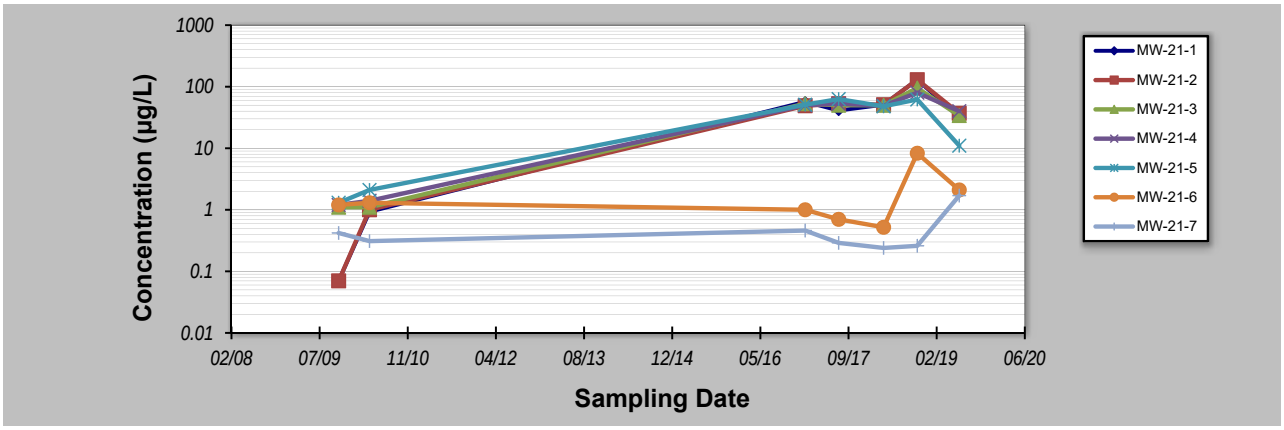
Coefficient of Variation:		0.98	0.95	0.81	0.73	0.82	1.28	1.00
Mann-Kendall Statistic (S):		9	11	7	9	7	1	-3
Confidence Factor:		88.1%	93.2%	80.9%	88.1%	80.9%	50.0%	61.4%
Concentration Trend:		No Trend	Prob. Increasing	No Trend	No Trend	No Trend	No Trend	Stable



Notes:

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3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID: MW-21-8

Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)
1	10/22/2009	1.90
2	4/15/2010	3.40
3	1/19/2017	7.90
4	7/28/2017	8.60
5	4/9/2018	6.90
6	10/17/2018	6.90
7	6/12/2019	5.80
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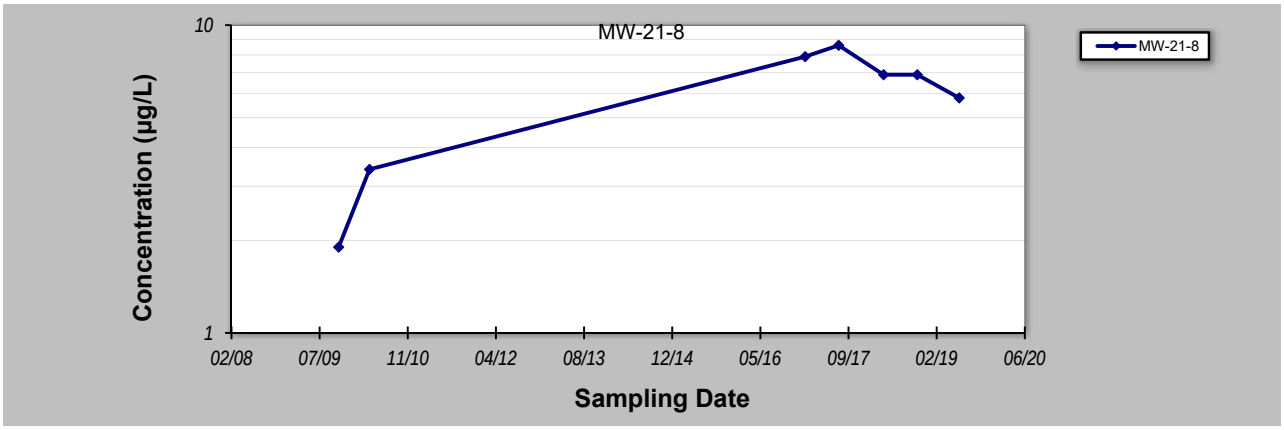
Coefficient of Variation:		0.41
Mann-Kendall Statistic (S):		4
Confidence Factor:		66.7%
Concentration Trend:		No Trend



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID: MW-21-8

Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)
1	10/22/2009	0.43
2	4/15/2010	0.70
3	1/19/2017	0.60
4	7/28/2017	0.61
5	4/9/2018	0.49
6	10/17/2018	0.91
7	6/12/2019	0.51
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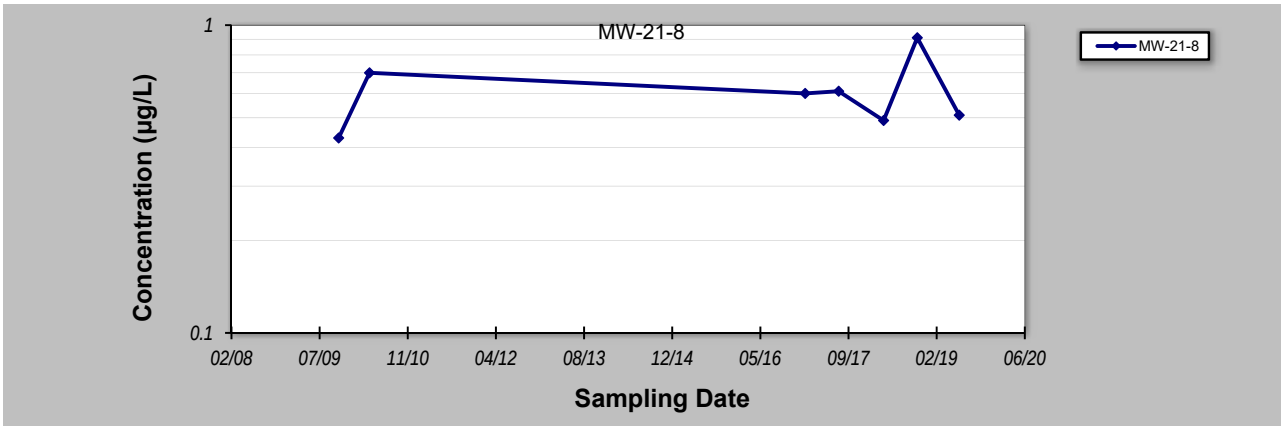
Coefficient of Variation:		0.26
Mann-Kendall Statistic (S):		3
Confidence Factor:		61.4%
Concentration Trend:		No Trend



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-23-1	MW-23-2	MW-23-3	MW-23-4	MW-23-5	MW-23-6	MW-23-7
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	12/20/2010	3.80	25.00	21.00	37.00	53.00	31.00	76.00
2	3/21/2011	0.43	6.70	16.00	18.00	19.00	18.00	37.00
3	1/18/2017	0.34	13.00	52.00	22.00	33.00	17.00	0.05
4	7/27/2017	1.30	10.00	70.00	16.00	32.00	20.00	39.00
5	4/4/2018	0.20	6.50	20.00	1.30	30.00	15.00	43.00
6	10/17/2018	0.50	6.50	11.00	0.86	27.00	16.00	42.00
7	6/6/2019	0.07	6.50	6.20	0.94	18.00	17.00	42.00
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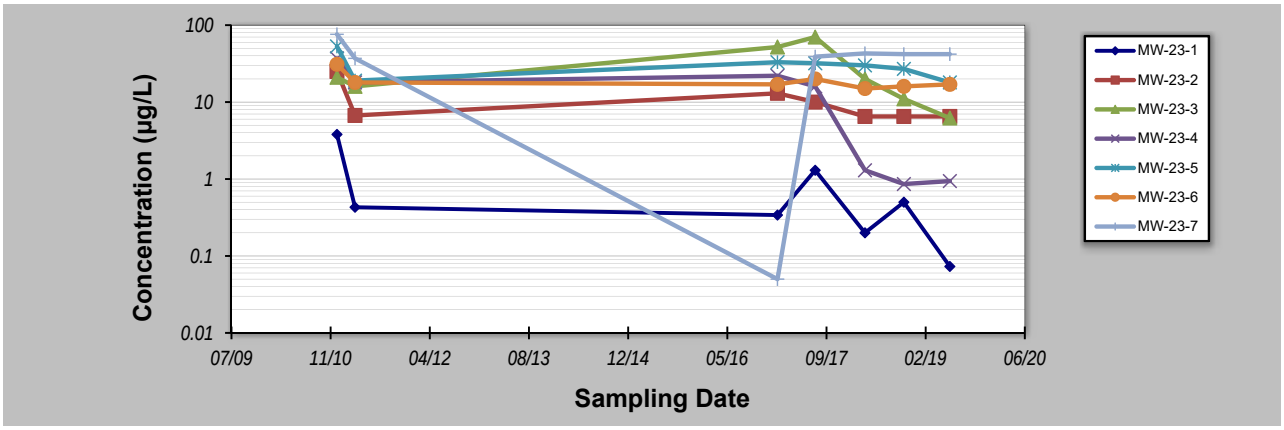
Coefficient of Variation:		1.39	0.64	0.84	0.99	0.38	0.29	0.55
Mann-Kendall Statistic (S):		-11	-14	-9	-17	-13	-10	2
Confidence Factor:		93.2%	97.5%	88.1%	99.5%	96.5%	90.7%	55.7%
Concentration Trend:		Prob. Decreasing	Decreasing	Stable	Decreasing	Decreasing	Prob. Decreasing	No Trend



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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-23-1	MW-23-2	MW-23-3	MW-23-4	MW-23-5	MW-23-6	MW-23-7
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	12/20/2010	0.49	4.20	5.00	9.30	12.00	7.90	15.00
2	3/21/2011	*0.07*	1.60	3.90	4.50	4.50	3.90	9.60
3	1/18/2017	0.33	3.20	13.00	5.90	8.20	11.00	0.16
4	7/27/2017	0.55	2.40	14.00	6.60	7.10	11.00	9.40
5	4/4/2018	0.35	1.90	12.00	2.30	5.30	12.00	11.00
6	10/17/2018	0.30	1.80	10.00	2.60	6.50	12.00	13.00
7	6/6/2019	0.21	1.80	8.80	2.70	5.50	11.00	13.00
8								
9								
10								
11								
12								
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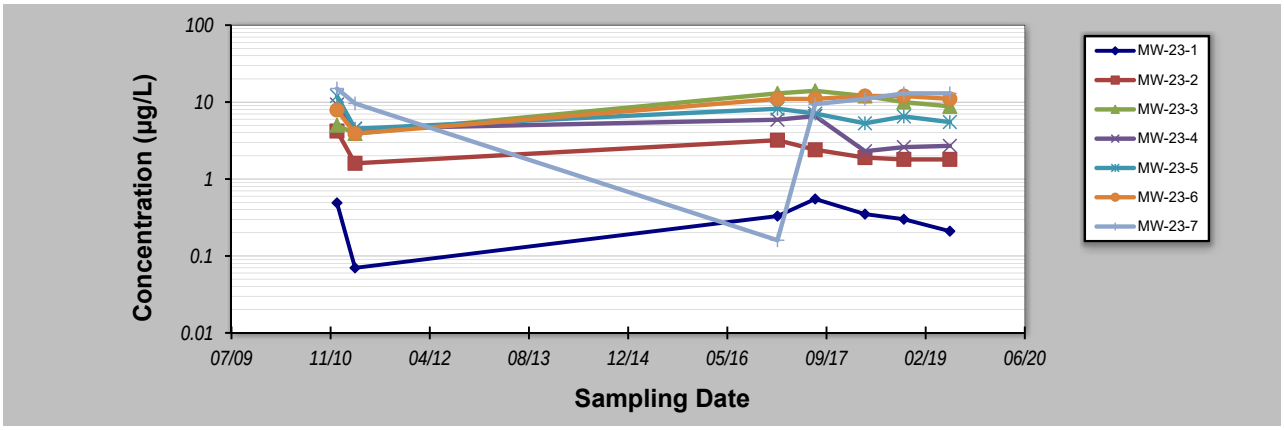
19								
20								
Coefficient of Variation:		0.49	0.40	0.41	0.53	0.36	0.30	0.48
Mann-Kendall Statistic (S):		-5	-10	1	-9	-7	11	4
Confidence Factor:		71.9%	90.7%	50.0%	88.1%	80.9%	93.2%	66.7%
Concentration Trend:		Stable	Prob. Decreasing	No Trend	Stable	Stable	Prob. Increasing	No Trend



Notes:

1. At least four independent sampling events per well are required for calculating the trend. *Methodology is valid for 4 to 40 samples.*
2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-23-8	MW-23-9					
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)					
1	12/20/2010	56.00	120.00				
2	3/21/2011	19.00	70.00				
3	1/18/2017	40.00	200.00				
4	7/27/2017	29.00	180.00				
5	4/4/2018	25.00	200.00				
6	10/17/2018	19.00	180.00				
7	6/6/2019	12.00	170.00				
8							
9							
10							
11							
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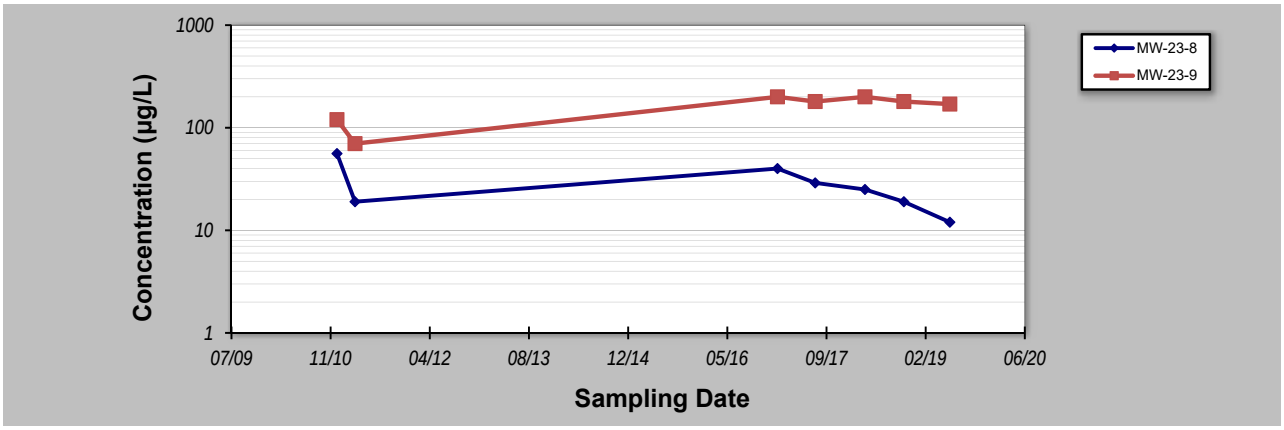
18							
19							
20							
Coefficient of Variation:		0.53	0.30				
Mann-Kendall Statistic (S):		-14	3				
Confidence Factor:		97.5%	61.4%				
Concentration Trend:		Decreasing	No Trend				



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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-23-8	MW-23-9					
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)					
1	12/20/2010	13.00	19.00				
2	3/21/2011	4.50	9.50				
3	1/18/2017	12.00	29.00				
4	7/27/2017	11.00	25.00				
5	4/4/2018	13.00	25.00				
6	10/17/2018	16.00	24.00				
7	6/6/2019	12.00	29.00				
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9							
10							
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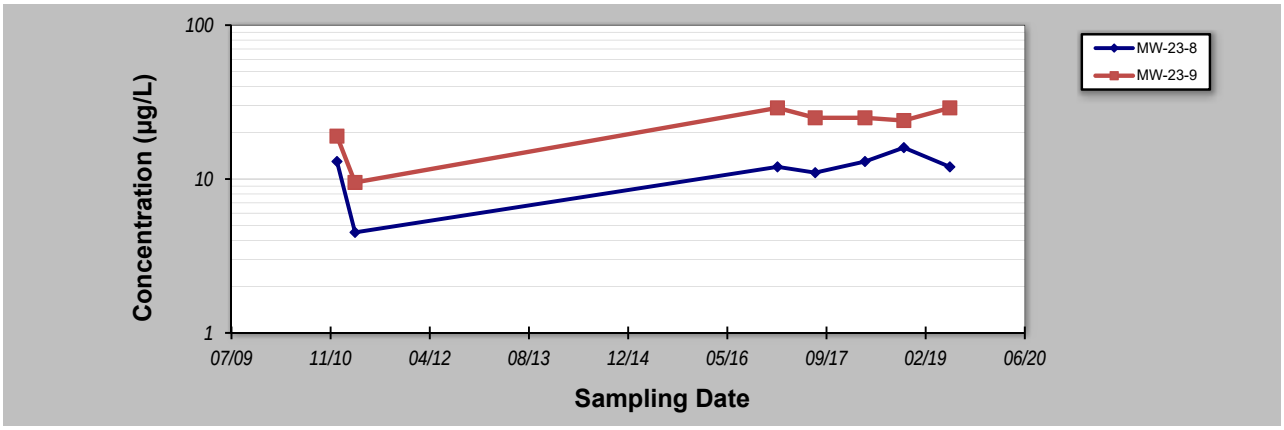
20							
Coefficient of Variation:		0.30	0.30				
Mann-Kendall Statistic (S):		5	7				
Confidence Factor:		71.9%	80.9%				
Concentration Trend:		No Trend	No Trend				



Notes:

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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-24-1	MW-24-2	MW-24-3	MW-24-4	MW-24-5	MW-24-6	
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	1/23/2017	0.02	12.00	3.80	1.70	1.30	3.00	
2	7/31/2017	0.02	12.00	4.60	1.80	1.40	3.90	
3	4/27/2018	0.03	10.00	3.40	1.30	1.20	3.10	
4	10/17/2018	0.03	8.10	3.30	1.50	1.50	3.80	
5	6/5/2019	0.08	6.40	3.20	1.50	1.50	3.90	
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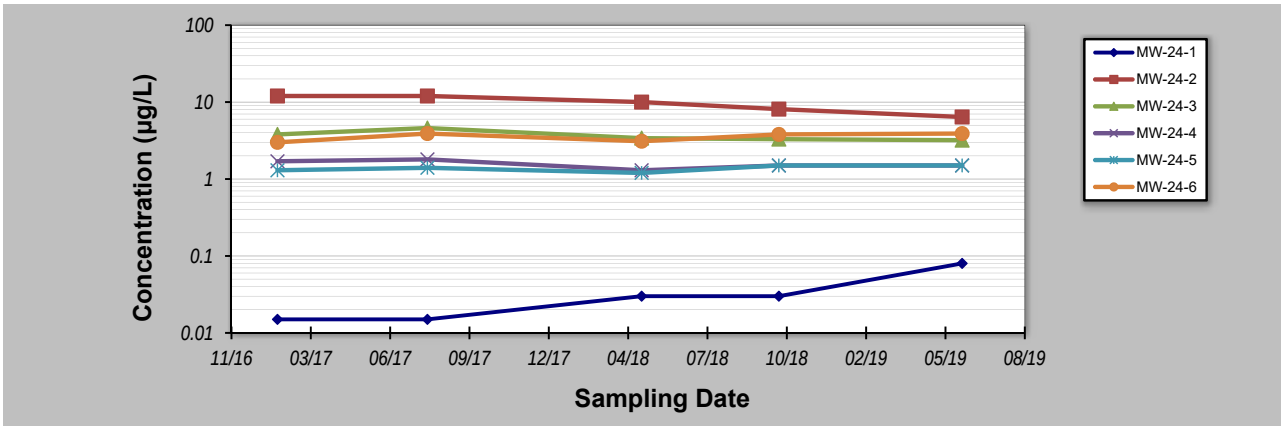
Coefficient of Variation:		0.79	0.25	0.16	0.12	0.09	0.13	
Mann-Kendall Statistic (S):		8	-9	-8	-3	5	5	
Confidence Factor:		95.8%	97.5%	95.8%	67.5%	82.1%	82.1%	
Concentration Trend:		Increasing	Decreasing	Decreasing	Stable	No Trend	No Trend	



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-24-1	MW-24-2	MW-24-3	MW-24-4	MW-24-5	MW-24-6	
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	1/23/2017	0.03	0.86	0.61	0.29	0.24	0.20	
2	7/31/2017	0.03	0.85	0.63	0.36	0.23	0.23	
3	4/27/2018	0.03	0.71	0.48	0.26	0.19	0.22	
4	10/17/2018	0.03	0.58	0.45	0.27	0.23	0.24	
5	6/5/2019	0.03	0.45	0.49	0.28	0.21	0.28	
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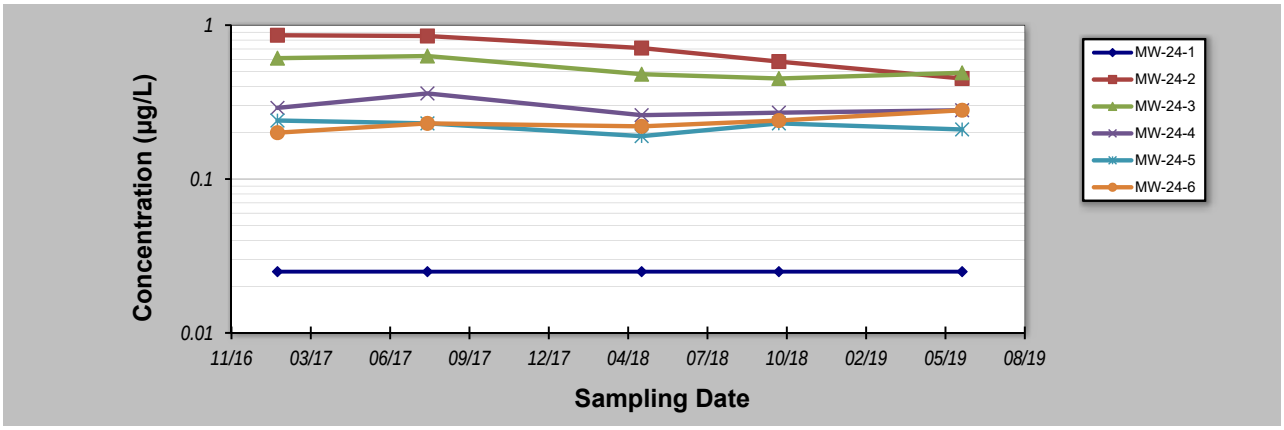
20								
Coefficient of Variation:		0.00	0.26	0.15	0.14	0.09	0.13	
Mann-Kendall Statistic (S):		0	-10	-4	-2	-5	8	
Confidence Factor:		40.8%	99.2%	75.8%	59.2%	82.1%	95.8%	
Concentration Trend:		Stable	Decreasing	Stable	Stable	Stable	Increasing	



Notes:

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3. Methodology based on "MAROS: A Decision Support System for Optimizing Monitoring Plans", J.J. Aziz, M. Ling, H.S. Rifai, C.J. Newell, and J.R. Gonzales, *Ground Water* , 41(3):355-367, 2003.

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-25-1	MW-25-2	MW-25-3	MW-25-4	MW-25-5	MW-25-6	
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	1/20/2017	1.30	2.70	2.20	22.00	1.90	7.90	
2	8/3/2017	1.30	2.80	2.10	18.00	2.00	7.90	
3	4/20/2018	1.20	2.50	1.90	0.05	2.00	7.20	
4	10/22/2018	0.73	2.00	2.00	17.00	2.30	7.20	
5	6/10/2019	0.99	2.10	1.40	16.00	1.50	6.80	
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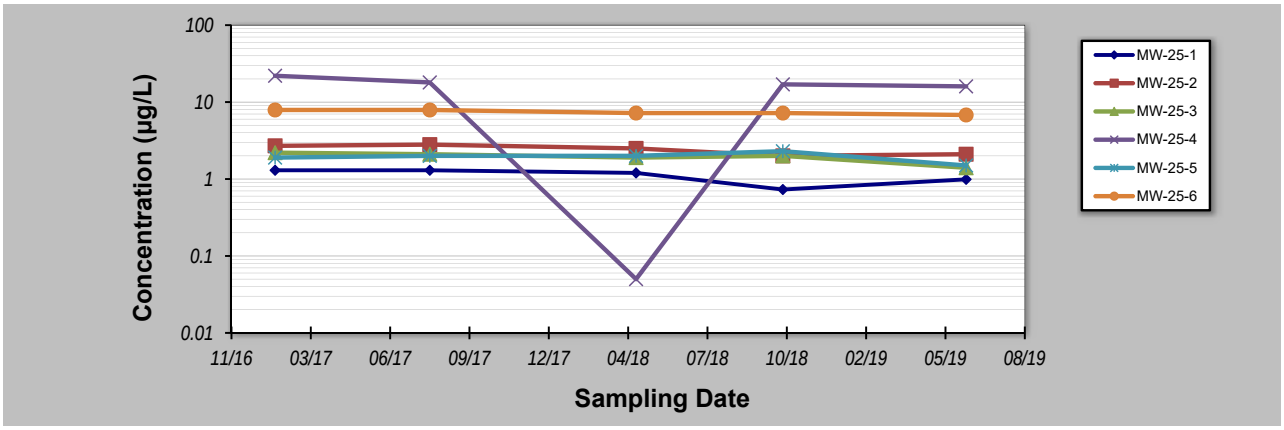
Coefficient of Variation:		0.22	0.15	0.16	0.58	0.15	0.07	
Mann-Kendall Statistic (S):		-7	-6	-8	-6	1	-8	
Confidence Factor:		92.1%	88.3%	95.8%	88.3%	50.0%	95.8%	
Concentration Trend:		Prob. Decreasing	Stable	Decreasing	Stable	No Trend	Decreasing	



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-25-1	MW-25-2	MW-25-3	MW-25-4	MW-25-5	MW-25-6	
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	1/20/2017	1.50	6.30	4.60	6.50	1.60	17.00	
2	8/3/2017	1.60	5.60	4.00	5.50	1.40	15.00	
3	4/20/2018	1.50	4.80	3.40	4.80	1.30	15.00	
4	10/22/2018	1.10	3.90	3.80	5.20	1.60	16.00	
5	6/10/2019	1.50	3.70	2.80	5.50	1.40	15.00	
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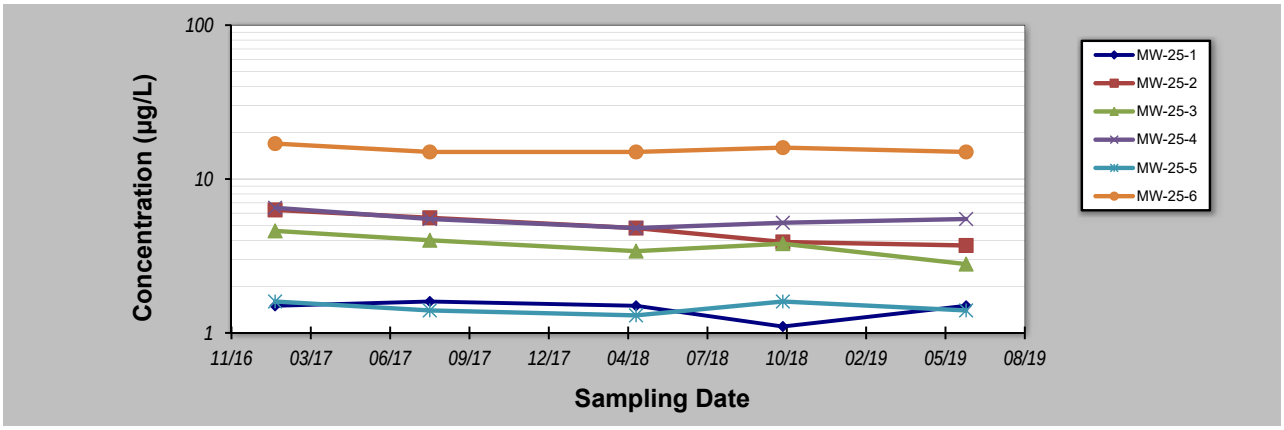
Coefficient of Variation:		0.14	0.23	0.18	0.11	0.09	0.06	
Mann-Kendall Statistic (S):		-3	-10	-8	-3	-2	-3	
Confidence Factor:		67.5%	99.2%	95.8%	67.5%	59.2%	67.5%	
Concentration Trend:		Stable	Decreasing	Decreasing	Stable	Stable	Stable	



Notes:

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2. Confidence in Trend = Confidence (in percent) that constituent concentration is increasing (S>0) or decreasing (S<0): >95% = Increasing or Decreasing; ≥ 90% = Probably Increasing or Probably Decreasing; < 90% and S>0 = No Trend; < 90%, S≤0, and COV ≥ 1 = No Trend; < 90% and COV < 1 = Stable.
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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: TCE
Concentration Units: µg/L

Sampling Point ID:	MW-26-1	MW-26-2	MW-26-3	MW-26-4	MW-26-5	MW-26-6	
Sampling Event	Sampling Date	TCE CONCENTRATION (µg/L)						
1	1/20/2017	6.20	5.70	5.40	5.60	1.60	0.48	
2	8/2/2017	6.50	6.10	4.90	5.90	1.40	0.66	
3	4/19/2018	6.00	4.40	4.60	5.10	1.20	0.44	
4	10/22/2018	6.30	4.70	5.00	5.90	1.30	0.50	
5	6/6/2019	6.00	5.20	5.20	6.20	1.40	0.47	
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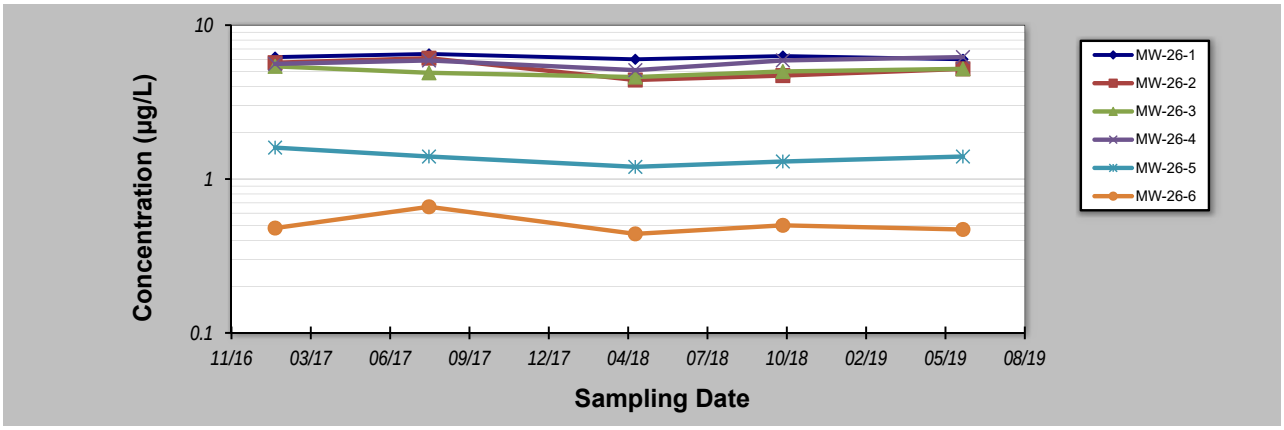
19								
20								
Coefficient of Variation:		0.03	0.13	0.06	0.07	0.11	0.17	
Mann-Kendall Statistic (S):		-3	-2	0	5	-3	-2	
Confidence Factor:		67.5%	59.2%	40.8%	82.1%	67.5%	59.2%	
Concentration Trend:		Stable	Stable	Stable	No Trend	Stable	Stable	



Notes:

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GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: DCE
Concentration Units: µg/L

Sampling Point ID:	MW-26-1	MW-26-2	MW-26-3	MW-26-4	MW-26-5	MW-26-6	
Sampling Event	Sampling Date	DCE CONCENTRATION (µg/L)						
1	1/20/2017	10.00	12.00	4.90	6.20	0.30	0.28	
2	8/2/2017	10.00	10.00	3.60	5.30	0.30	0.27	
3	4/19/2018	9.90	8.20	3.10	4.60	0.26	0.15	
4	10/22/2018	11.00	9.50	3.40	6.00	0.31	0.15	
5	6/6/2019	9.10	8.80	3.30	5.70	0.28	0.14	
6								
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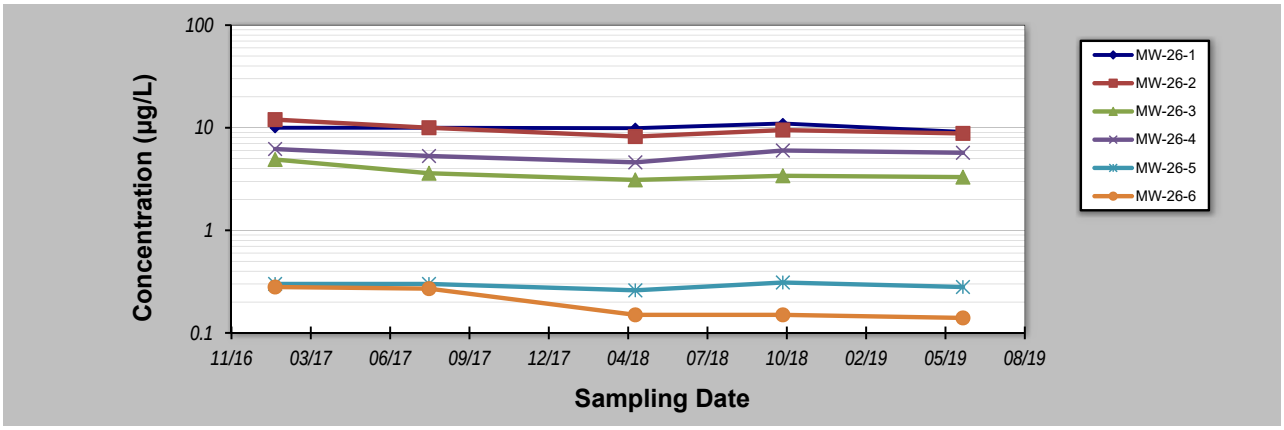
Coefficient of Variation:		0.07	0.15	0.20	0.11	0.07	0.36	
Mann-Kendall Statistic (S):		-3	-6	-6	-2	-1	-9	
Confidence Factor:		67.5%	88.3%	88.3%	59.2%	50.0%	97.5%	
Concentration Trend:		Stable	Stable	Stable	Stable	Stable	Decreasing	



Notes:

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Appendix J2

PCBs

GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: PCBs
Concentration Units: µg/L

Sampling Point ID: MW-11

Sampling Event	Sampling Date	PCBS CONCENTRATION (µg/L)
1	8/12/2008	*0.00*
2	10/15/2009	27.00
3	3/29/2010	190.00
4	12/20/2016	50.00
5	7/11/2017	51.10
6	3/27/2018	82.00
7	10/9/2018	190.00
8	6/11/2019	28.40
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
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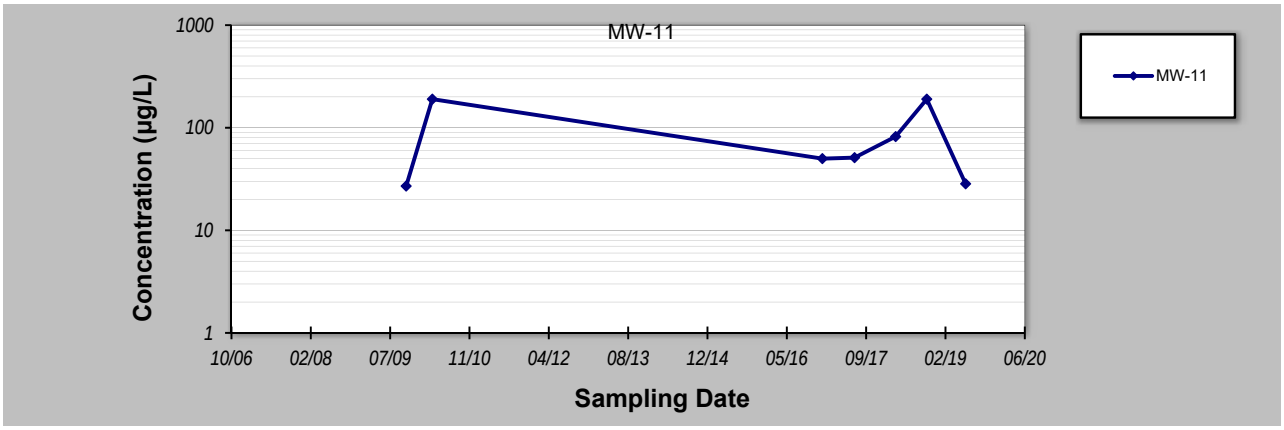
20		
Coefficient of Variation:		0.95
Mann-Kendall Statistic (S):		11
Confidence Factor:		88.7%
Concentration Trend:		No Trend



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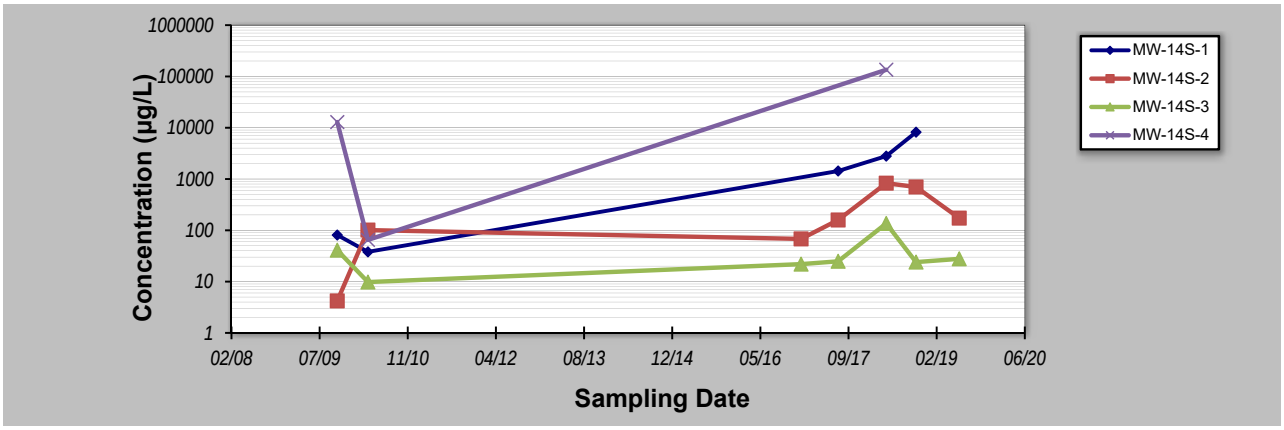
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: PCBs
Concentration Units: µg/L

Sampling Point ID:	MW-14S-1	MW-14S-2	MW-14S-3	MW-14S-4			
Sampling Event	Sampling Date	PCBS CONCENTRATION (µg/L)						
1	10/14/2009	81.00	4.20	41.00	12900.00			
2	4/6/2010	38.00	101.00	9.80	65.00			
3	12/27/2016		68.00	21.90				
4	7/25/2017	1434.00	159.00	24.90				
5	4/24/2018	2800.00	830.00	136.00	135000.00			
6	10/10/2018	8200.00	700.00	24.00				
7	6/12/2019		173.00	27.80				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.35	1.14	1.05	1.51			
Mann-Kendall Statistic (S):		8	13	5	1			
Confidence Factor:		95.8%	96.5%	71.9%				
Concentration Trend:		Increasing	Increasing	No Trend				



Notes:

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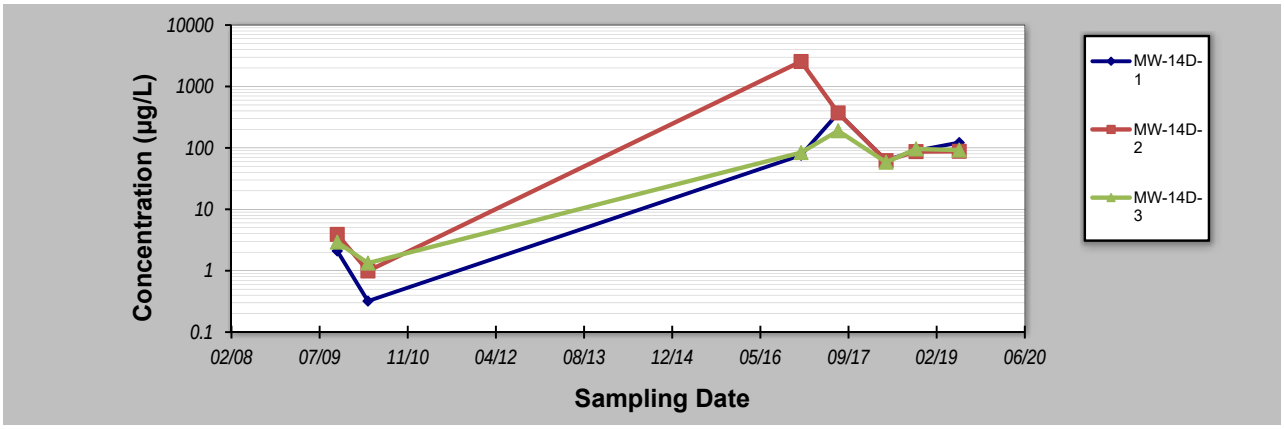
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: PCBs
Concentration Units: µg/L

Sampling Point ID:	MW-14D-1	MW-14D-2	MW-14D-3				
Sampling Event	Sampling Date	PCBS CONCENTRATION (µg/L)						
1	10/14/2009	2.10	3.90	2.92				
2	4/6/2010	0.32	0.99	1.33				
3	12/27/2016	76.00	2550.00	83.90				
4	7/25/2017	368.00	371.00	189.90				
5	4/23/2018	62.50	62.00	58.40				
6	10/10/2018	90.00	87.00	96.00				
7	6/12/2019	122.00	88.00	92.00				
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		1.21	2.07	0.86				
Mann-Kendall Statistic (S):		11	5	9				
Confidence Factor:		93.2%	71.9%	88.1%				
Concentration Trend:		Prob. Increasing	No Trend	No Trend				



Notes:

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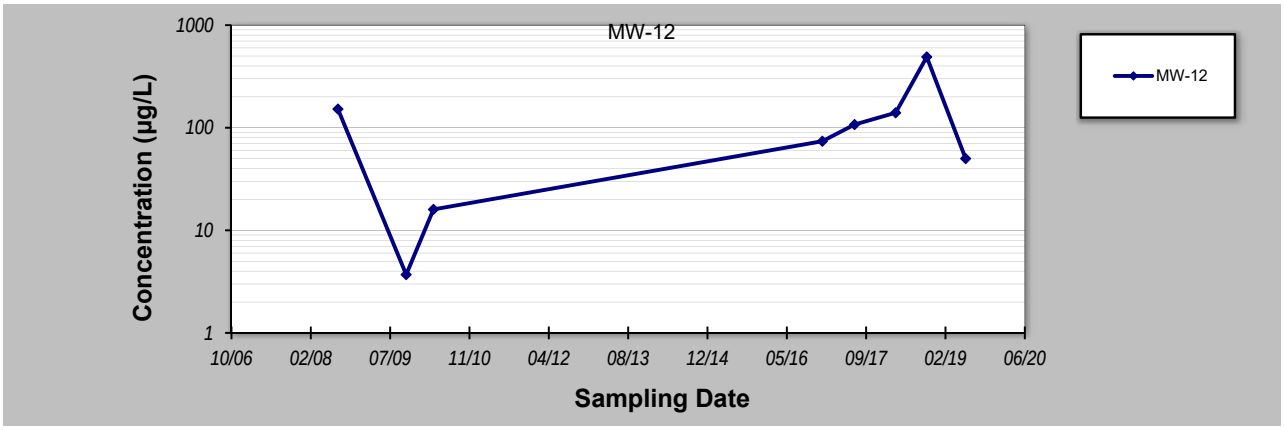
GSI MANN-KENDALL TOOLKIT
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: PCBs
Concentration Units: µg/L

Sampling Point ID: MW-12

Sampling Event	Sampling Date	PCBS CONCENTRATION (µg/L)
1	8/11/2008	152.00
2	10/15/2009	3.70
3	4/5/2010	16.00
4	12/20/2016	73.90
5	7/11/2017	107.30
6	3/27/2018	140.00
7	10/9/2018	490.00
8	6/11/2019	50.00
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		1.20
Mann-Kendall Statistic (S):		8
Confidence Factor:		80.1%
Concentration Trend:		No Trend



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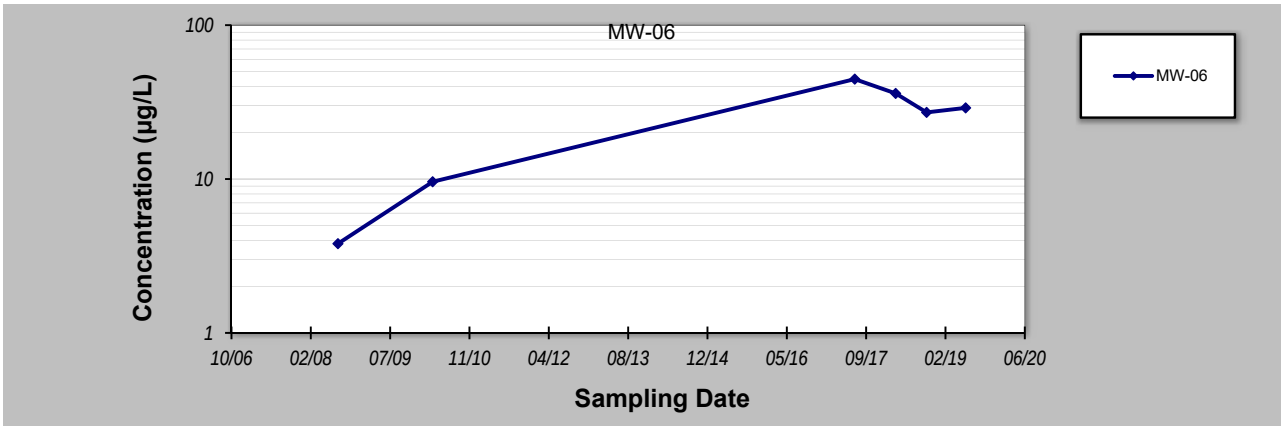
for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: PCBs
Concentration Units: µg/L

Sampling Point ID: MW-06

Sampling Event	Sampling Date	PCBS CONCENTRATION (µg/L)
1	8/11/2008	3.80
2	10/15/2009	*0.00*
3	3/31/2010	9.60
4	7/12/2017	44.60
5	3/27/2018	36.00
6	10/8/2018	27.10
7	6/11/2019	29.00
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		0.80
Mann-Kendall Statistic (S):		9
Confidence Factor:		88.1%
Concentration Trend:		No Trend



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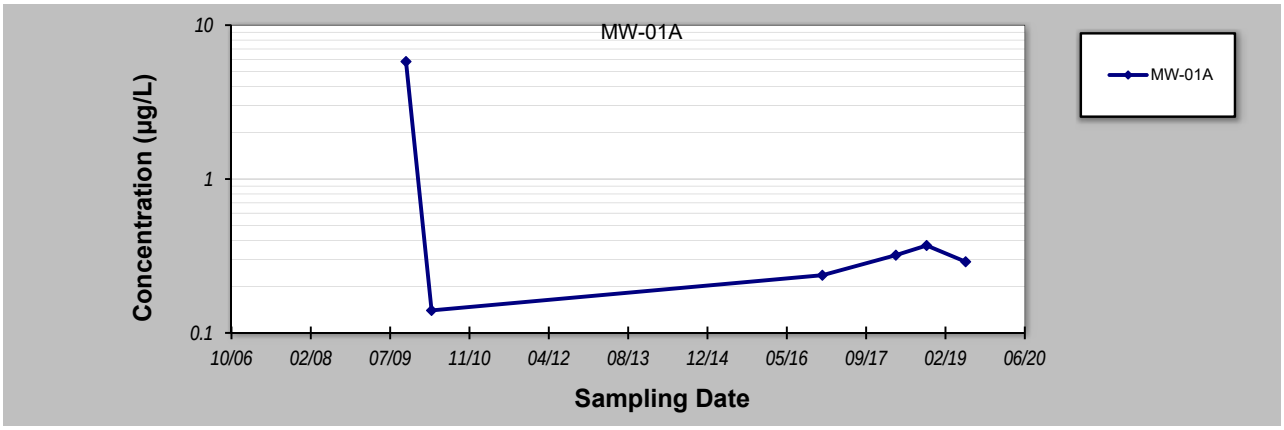
Facility Name: Cornell Dubilier Electronics Superfund Site
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: PCBs
Concentration Units: µg/L

Sampling Point ID: MW-01A

Sampling Event	Sampling Date	PCBS CONCENTRATION (µg/L)
1	8/12/2008	0.00
2	10/14/2009	5.80
3	3/24/2010	0.14
4	12/20/2016	0.24
5	7/11/2017	0.00
6	3/28/2018	0.32
7	10/8/2018	0.37
8	6/11/2019	0.29
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
Coefficient of Variation:		2.22
Mann-Kendall Statistic (S):		7
Confidence Factor:		76.4%
Concentration Trend:		No Trend



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for Constituent Trend Analysis

Evaluation Date: 19-Sep-19
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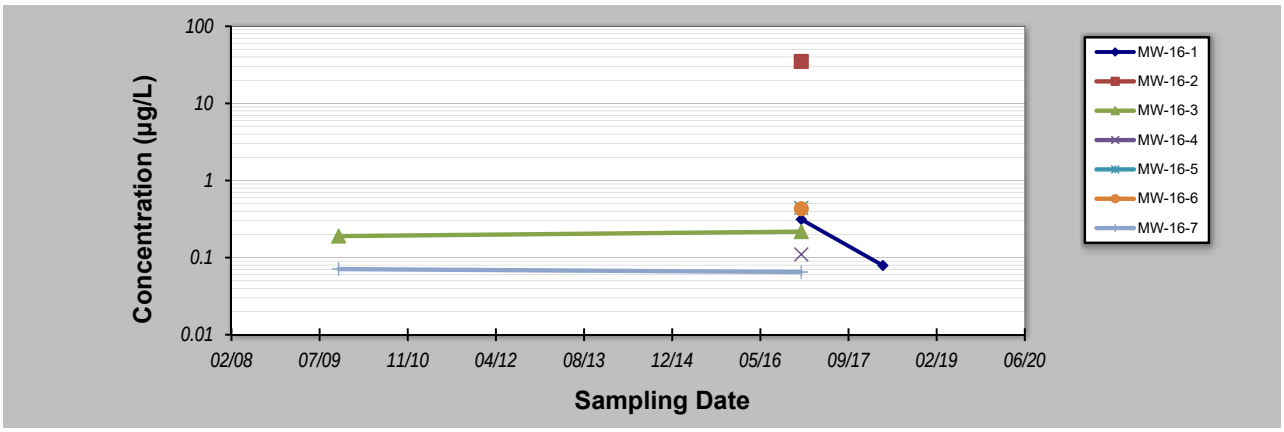
Conducted By: EA Engineering, Science, and Technology

Job ID: LTM Groundwater Monitoring Program
Constituent: PCBs
Concentration Units: µg/L

Sampling Point ID:	MW-16-1	MW-16-2	MW-16-3	MW-16-4	MW-16-5	MW-16-6	MW-16-7
Sampling Event	Sampling Date	PCBS CONCENTRATION (µg/L)						
1	10/22/2009	0.00		0.19				0.07
2	4/7/2010	0.00		0.00				0.00
3	12/28/2016	0.31	35.00	0.22	0.11	0.44	0.43	0.07
4	7/19/2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	4/5/2018	0.08	0.00	0.00	0.00	0.00	0.00	0.00
6	10/15/2018	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	6/11/2019	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
Coefficient of Variation:		2.09	2.24	1.71	2.24	2.24	2.24	1.71
Mann-Kendall Statistic (S):		-1	-4	-7	-4	-4	-4	-9
Confidence Factor:		50.0%	75.8%	80.9%	75.8%	75.8%	75.8%	88.1%
Concentration Trend:		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend	No Trend



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Appendix K

Historical Summary Table and Figures

Table K-1 Groundwater Concentration Trends for Contaminants of Concern
Figure K-1 Shallow Groundwater (0-120 ft bgs) Trichloroethene Concentrations
Figure K-2 Intermediate Groundwater (120-185 ft bgs) Trichloroethene Concentrations
Figure K-3 Deep Groundwater (>200 ft bgs) Trichloroethene Concentrations

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Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT1-1					ERT1-2					ERT1-3					ERT1-4				
Depth (ft)			24-29	24-29	24-29	24-29	24-29	33-43	33-43	33-43	33-43	33-43	46-56	46-56	46-56	46-56	46-56	59-64	59-64	59-64	59-64	59-64
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT1-1	CDE-OU3-BLSR2-ERT1-1	LTM01-ERT1-1-S18	LTM01-ERT1-1-F18	LTM03-ERT1-1-S19	CDE-OU3-BLSR1-ERT1-2	CDE-OU3-BLSR2-ERT1-2	LTM01-ERT1-2-S18	LTM01-ERT1-2-F18	LTM03-ERT1-2-S19	CDE-OU3-BLSR1-ERT1-3	CDE-OU3-BLSR2-ERT1-3	LTM01-ERT1-3-S18	LTM01-ERT1-3-F18	LTM03-ERT1-3-S19	CDE-OU3-BLSR1-ERT1-4	CDE-OU3-BLSR2-ERT1-4	LTM01-ERT1-4-S18	LTM01-ERT1-4-F18	LTM03-ERT1-4-S19
Sample Date			12/29/2016	17/07/2017	4/16/2018	10/10/2018	6/10/2019	12/29/2016	17/07/2017	4/16/2018	10/10/2018	6/10/2019	12/29/2016	17/07/2017	4/16/2018	10/10/2018	6/10/2019	12/29/2016	17/07/2017	4/16/2018	10/10/2018	6/10/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	**290**	**57**	**130**	20.0 U	---	ND U	16 U	16 U	20.0 U	---	ND U	16 U	16 U	20.0 U	---	ND U	16 U	16 U	**12.8 J**	---
Arsenic	3	µg/L	**2.2**	**2.3**	**2.5**	**2.1**	---	**1.5**	**1.5**	**1.5**	**1.8**	---	**1.6**	**1.6**	**1.5**	**1.7**	---	**2.1**	**2.0**	**2.1**	**2.4**	---
Barium	2000	µg/L	**110**	**110**	**110**	**110**	---	**100**	**91**	**84**	**89**	---	**120**	**120**	**110**	**116**	---	**110**	**100**	**100**	**106**	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---
Chromium	70	µg/L	ND U	1 U	1.0 U	2.0 U	---	ND U	1 U	1.0 U	2.0 U	---	ND U	1 U	1.0 U	2.0 U	---	ND U	1 U	1.0 U	**0.15 J**	---
Iron	300	µg/L	**350**	**44**	**140**	200 U	---	ND U	20 U	20 U	200 U	---	ND U	20 U	20 U	200 U	---	ND U	20 U	20 U	**120 J**	---
Lead	5	µg/L	**3.3**	1 U	**3.0**	**1.6**	---	**1.5**	**1.8**	**3.2**	**2**	---	ND U	**1**	**1.3**	**1.4**	---	ND U	**1.2**	**1.6**	**0.88 J**	---
Manganese	50	µg/L	**29**	**16**	**23**	**4.5**	---	ND U	1 U	1.0 U	1.0 U	---	**15**	**7**	**11**	**10.5**	---	**56**	**48**	**53**	**57.2**	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.03 U	---	0.050 U	0.050 U	< 0.052 U	0.03 U	---	0.050 U	0.050 U	< 0.051 U	0.03 U	---	0.050 U	0.050 U	< 0.051 UJ
4,4-DDE	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.03 U	---	0.050 U	0.050 U	< 0.052 U	0.03 U	---	0.050 U	0.050 U	< 0.051 U	0.03 U	---	0.050 U	0.050 U	< 0.051 UJ
4,4-DDT	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.03 U	---	0.050 U	0.050 U	< 0.052 U	0.03 U	---	0.050 U	0.050 U	< 0.051 U	0.03 U	---	0.050 U	0.050 U	< 0.051 UJ
Beta-BHC	0.04	µg/L	0.01 UJ	---	0.030 UJ	0.040 UJ	< 0.030 U	0.01 U	---	0.030 U	0.040 U	< 0.031 U	0.01 U	---	0.030 U	0.040 U	< 0.030 U	0.01 U	---	0.030 U	0.040 U	< 0.030 UJ
Dieldrin	0.03	µg/L	0.02 U	U	0.050 UJ	0.050 UJ	< 0.051 U	0.02 U	U	0.050 U	0.050 U	< 0.052 U	0.02 U	U	0.050 U	0.050 U	< 0.051 U	0.02 U	U	0.050 U	0.050 U	< 0.051 UJ
Endosulfan II	40	µg/L	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.05 U	---	0.050 U	**0.0086 J**	< 0.052 U	0.05 U	---	0.050 U	0.050 U	< 0.051 U	0.05 U	---	0.050 U	0.050 U	< 0.051 UJ
Endosulfan sulfate	40	µg/L	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.05 U	---	0.050 U	0.050 U	< 0.052 U	0.05 U	---	0.050 U	0.050 U	< 0.051 U	0.05 U	---	0.050 U	0.050 U	< 0.051 UJ
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.030 UJ	**0.031 NJ**	< 0.030 UJ	0.01 U	U	0.030 U	0.020 U	< 0.031 U	0.01 U	U	0.030 U	0.020 U	< 0.030 U	0.01 U	U	0.030 U	**0.096 NJ**	< 0.030 UJ
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 U	0.025 U	---	0.030 U	0.025 U	< 0.031 U	0.025 U	---	0.030 U	0.025 U	< 0.030 U	0.025 U	---	0.030 U	0.025 U	< 0.030 UJ
Heptachlor	0.05	µg/L	0.02 U	---	0.030 UJ	0.025 UJ	< 0.030 U	0.02 U	---	0.030 U	0.025 U	< 0.031 U	0.02 U	---	0.030 U	0.025 U	< 0.030 U	0.02 U	---	0.030 U	0.025 U	< 0.030 UJ
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 U	**0.0037 J**	---	0.030 U	0.025 U	< 0.031 U	**0.0016 J**	---	0.030 U	0.025 U	< 0.030 U	0.025 U	---	0.030 U	0.025 U	< 0.030 UJ
Methoxychlor	40	µg/L	0.25 U	---	0.25 UJ	0.25 UJ	< 0.25 U	0.25 U	---	0.25 U	0.25 U	< 0.26 U	0.25 U	---	0.25 U	0.25 U	< 0.25 U	0.25 U	---	0.25 U	0.25 U	< 0.25 UJ
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	**0.12 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Benzene	1	µg/L	5 U	**0.56 J**	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 UJ	0.50 R	**0.064 J**	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**0.71 J**	5 U	**0.43 J**	**0.38 J**	**0.54**	5 U	**0.62 J**	**0.50 J**	**0.37 J**	**0.45 J**	5 U	**0.37 J**	**0.34 J**	**0.28 J**	**0.28 J**	5 U	**0.43 J**	**0.37 J**	**0.38 J**	**0.35 J**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	0.50 UJ	0.50 R	**0.22 J**	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	**0.26 J**
Methylene Chloride	3	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	**0.73 J**	**0.63 J**	**0.60 J**	**1.1**	5 U	**0.51 J**	**0.43 J**	**0.40 J**	**0.38 J**	5 U	5 U	0.50 UJ	0.50 R	**0.098 J**	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Trichloroethene	1	µg/L	**1.7 J**	**1.2 J**	**0.94 J**	**0.80 J**	**1.1**	**1.2 J**	**1.2 J**	**1.1 J**	**0.89 J**	**0.87**	**1.2 J**	**0.9 J**	**0.82 J**	**0.71 J**	**0.67**	**0.97 J**	**0.84 J**	**0.71 J**	**0.67 J**	**0.63**
Vinyl chloride	1	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ	---	U	0.20 U	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 UJ
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ	---	U	0.20 U	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 UJ
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	0.40 UJ	< 0.20 UJ	1 U	U	0.20 U	0.40 U	< 0.20 U	1 U	U	0.20 U	0.40 U	< 0.20 U	**0.084 J**	U	0.20 U	0.40 U	< 0.20 UJ
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ	---	U	0.20 U	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 UJ
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	0.40 UJ	< 0.20 UJ	0.2 U	U	0.20 U	0.40 U	< 0.20 U	0.2 U	U	0.20 U	0.40 U	< 0.20 U	0.2 U	U	0.20 U	0.40 U	< 0.20 UJ
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	0.40 UJ	< 0.20 UJ	1 U	---	0.20 U	0.40 U	< 0.20 U	1 U	---	0.20 U	0.40 U	< 0.20 U	1 U	---	0.20 U	0.40 U	< 0.20 UJ

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U = The analyte was not detected at or above the Reporting Limit.
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT1-5	ERT1-5	ERT1-5	ERT1-5	ERT1-5	ERT1-6	ERT1-6	ERT1-6	ERT1-6	ERT1-6	ERT1-7	ERT1-7	ERT1-7	ERT1-7	ERT1-7	ERT1-8	ERT1-8	ERT1-8	ERT1-8	ERT1-8
Depth (ft)			67-77	67-77	67-77	67-77	67-77	100-105	100-105	100-105	100-105	100-105	112-117	112-117	112-117	112-117	112-117	135-140	135-140	135-140	135-140	135-140
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT1-5	CDE-OU3-BLSR2-ERT1-5	LTM01-ERT1-5-S18	LTM01-ERT1-5-F18	LTM03-ERT1-5-S19	CDE-OU3-BLSR1-ERT1-6	CDE-OU3-BLSR2-ERT1-6	LTM01-ERT1-6-S18	LTM01-ERT1-6-F18	LTM03-ERT1-6-S19	CDE-OU3-BLSR1-ERT1-7	CDE-OU3-BLSR2-ERT1-7	LTM01-ERT1-7-S18	LTM01-ERT1-7-F18	LTM03-ERT1-7-S19	CDE-OU3-BLSR1-ERT1-8	CDE-OU3-BLSR2-ERT1-8	LTM01-ERT1-8-S18	LTM01-ERT1-8-F18	LTM03-ERT1-8-S19
Sample Date			12/29/2016	17/07/2017	4/16/2018	10/10/2018	6/10/2019	12/29/2016	17/07/2017	4/16/2018	10/10/2018	6/10/2019	12/29/2016	17/07/2017	4/16/2018	10/10/2018	6/10/2019	12/29/2016	17/07/2017	4/16/2018	10/10/2018	6/10/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	**9.3 J**	---	ND U	16 U	16 U	20.0 U	---	ND U	16 U	16 U	20.0 U	---	ND U	16 U	16 U	20.0 U	---
Arsenic	3	µg/L	**2.2**	**2.1**	**2.2**	**2.4**	---	**1.5**	**1.4**	**1.4**	**1.5**	---	**1.8**	**1.8**	**1.7**	**2.1**	---	**1.8**	**1.5**	**1.5**	**1.8**	---
Barium	2000	µg/L	**120**	**110**	**110**	**108**	---	**83**	**78**	**71**	**77.5**	---	**100**	**93**	**83**	**88.9**	---	**110**	**96**	**91**	**97.4**	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---
Chromium	70	µg/L	ND U	1 U	1.0 U	**0.11 J**	---	ND U	1 U	1.0 U	**0.21 J**	---	ND U	1 U	1.0 U	**0.090 J**	---	ND U	1 U	1.0 U	**0.29 J**	---
Iron	300	µg/L	ND U	20 U	20 U	**107 J**	---	ND U	20 U	20 U	200 U	---	ND U	20 U	20 U	200 U	---	ND U	20 U	20 U	200 U	---
Lead	5	µg/L	**1.2**	**1**	**2.4**	**2.5**	---	ND U	**1.5**	**1.6**	**0.69 J**	---	ND U	1 U	**1.3**	**1.1**	---	ND U	1 U	1.0 U	**1.1**	---
Manganese	50	µg/L	**170**	**150**	**150**	**161**	---	**2**	**2**	**1.4**	**1.4**	---	**28**	**26**	**27**	**30.1**	---	**5**	**2**	**2.1**	**2.2**	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.050 U	0.050 UJ	< 0.054 UJ	0.03 U	---	0.050 UJ	0.050 U	< 0.053 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.054 U
4,4-DDE	0.1	µg/L	0.03 U	---	0.050 U	0.050 UJ	< 0.054 UJ	0.03 U	---	0.050 UJ	0.050 U	< 0.053 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.054 U
4,4-DDT	0.1	µg/L	0.03 U	---	0.050 U	0.050 UJ	< 0.054 UJ	0.03 U	---	0.050 UJ	0.050 U	< 0.053 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.054 U
Beta-BHC	0.04	µg/L	0.01 U	---	0.030 U	0.040 UJ	< 0.032 UJ	0.01 U	---	0.030 UJ	0.040 U	< 0.032 U	**0.0017 J**	---	0.030 UJ	0.040 U	< 0.030 U	0.01 U	---	0.030 UJ	0.040 UJ	< 0.033 U
Dieldrin	0.03	µg/L	0.02 U	U	0.050 U	0.050 UJ	< 0.054 UJ	0.02 U	U	0.050 UJ	0.050 U	< 0.053 U	0.02 U	U	0.050 UJ	0.050 U	< 0.051 U	0.02 U	U	0.050 UJ	0.050 UJ	< 0.054 U
Endosulfan II	40	µg/L	0.05 U	---	0.050 U	0.050 UJ	< 0.054 UJ	0.05 U	---	0.050 UJ	0.050 U	< 0.053 U	0.05 U	---	0.050 UJ	0.050 U	< 0.051 U	0.05 U	---	0.050 UJ	0.050 UJ	< 0.054 U
Endosulfan sulfate	40	µg/L	0.05 U	---	0.050 U	0.050 UJ	< 0.054 UJ	0.05 U	---	0.050 UJ	0.050 U	< 0.053 U	0.05 U	---	0.050 UJ	**0.0020 J**	< 0.051 U	0.05 U	---	0.050 UJ	0.050 UJ	< 0.054 U
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.030 U	**0.020 NJ**	< 0.032 UJ	0.01 U	U	0.030 UJ	**0.045 JN**	< 0.032 U	0.01 U	U	0.030 UJ	R	< 0.030 U	0.01 U	U	0.030 UJ	**0.20 JN**	< 0.033 U
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.030 U	0.025 UJ	< 0.032 UJ	0.025 U	---	0.030 UJ	0.025 U	< 0.032 U	0.025 U	---	0.030 UJ	0.025 U	< 0.030 U	0.025 U	---	0.030 UJ	0.025 UJ	< 0.033 U
Heptachlor	0.05	µg/L	0.02 U	---	0.030 U	0.025 UJ	< 0.032 UJ	0.02 U	---	0.030 UJ	0.025 U	< 0.032 U	0.02 U	---	0.030 UJ	0.025 U	< 0.030 U	0.02 U	---	0.030 UJ	0.025 UJ	< 0.033 U
Heptachlor epoxide	0.2	µg/L	**0.0023 J**	---	0.030 U	0.025 UJ	< 0.032 UJ	0.025 U	---	0.030 UJ	0.025 U	< 0.032 U	0.025 U	---	0.030 UJ	0.025 U	< 0.030 U	**0.0024 J**	---	0.030 UJ	0.025 UJ	< 0.033 U
Methoxychlor	40	µg/L	0.25 U	---	0.25 U	0.25 UJ	< 0.27 UJ	0.25 U	---	0.25 UJ	0.25 U	< 0.26 U	0.25 U	---	0.25 UJ	0.25 U	< 0.25 U	0.25 U	---	0.25 UJ	0.25 UJ	< 0.27 U
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	**0.19 J**	**0.16 J**	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U
1,2,4-trichlorobenzene	9	µg/L	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Chlorobenzene	50	µg/L	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 UJ	0.50 R	**0.050 J**	5 U	5 U	0.50 UJ	0.50 U	**0.069 J**	5 U	5 U	0.50 UJ	0.50 R	**0.049 J**	5 U	5 U	0.50 UJ	0.50 R	**0.047 J**
cis-1,2-dichloroethene	70	µg/L	**0.84 J**	5 U	**0.45 J**	**0.51 J**	**0.45 J**	**0.79 J**	5 U	**0.59 J**	**0.72**	**0.65**	5 UJ	5 U	**0.60 J**	**0.44 J**	**0.81**	**2.4 J-**	**1.9 J**	**2.1 J**	**2.0 J**	**1.9**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	**0.32 J**	0.50 R	**0.31 J**	**3.5 J**	**1.1 J**	**1.0 J**	**1.5**	**0.70**	**3.1 J**	5 U	**1.9 J**	**2.3 J**	**1.4**	**20**	5 U	**5.0 J**	**7.9 J**	**5.4**
Methylene Chloride	3	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U	5 UJ	5 U	0.50 UJ	0.50 R	< 0.50 U
Trichloroethene	1	µg/L	**1.1 J**	**0.78 J**	**0.69 J**	**0.77 J**	**0.65**	**1.2 J**	**0.78 J**	**0.66 J**	**0.67**	**0.70**	**1.2 J**	**0.81 J**	**0.71 J**	**0.52 J**	**0.77**	**1.8 J**	**1.5 J**	**1.6 J**	**1.6 J**	**1.5**
Vinyl chloride	1	µg/L	5 U	5 U	0.50 UJ	0.50 R	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	**0.15 J**	< 0.50 U	5 U	5 U	**0.16 J**	0.50 R	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.20 U	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1242	N/A	µg/L	**0.02 J**	U	0.20 U	0.40 U	< 0.20 UJ	**0.022 J**	U	0.20 UJ	0.40 U	< 0.20 U	1 U	U	0.20 UJ	0.40 U	< 0.20 U	1 U	U	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.20 U	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 U	0.40 U	< 0.20 UJ	**0.029 J**	U	0.20 UJ	0.40 U	< 0.20 U	0.2 U	U	0.20 UJ	0.40 U	< 0.20 U	0.2 U	U	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	0.40 U	< 0.20 UJ	1 U	---	0.20 UJ	0.40 U	< 0.20 U	1 U	---	0.20 UJ	0.40 U	< 0.20 U	1 U	---	0.20 UJ	0.40 U	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT2-1	ERT2-1	ERT2-1	ERT2-1	ERT2-1	ERT2-2	ERT2-2	ERT2-2	ERT2-2	ERT2-2	ERT2-4	ERT2-4	ERT2-4	ERT2-4	ERT2-4	ERT2-5	ERT2-5	ERT2-5	ERT2-5	ERT2-5
Depth (ft)			25-35	25-35	25-35	25-35	25-35	40-50	40-50	40-50	40-50	40-50	70-75	70-75	70-75	70-75	70-75	97-107	97-107	97-107	97-107	97-107
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT2-1	CDE-OU3-BLSR2-ERT2-1	LTM01-ERT2-1-S18	LTM01-ERT2-1-F18	LTM03-ERT2-1-S19	CDE-OU3-BLSR1-ERT2-2	CDE-OU3-BLSR2-ERT2-2	LTM01-ERT2-2-S18	LTM01-ERT2-2-F18	LTM03-ERT2-2-S19	CDE-OU3-BLSR1-ERT2-4	CDE-OU3-BLSR2-ERT2-4	LTM01-ERT2-4-S18	LTM01-ERT2-4-F18	LTM03-ERT2-4-S19	CDE-OU3-BLSR1-ERT2-5	CDE-OU3-BLSR2-ERT2-5	LTM01-ERT2-5-S18	LTM01-ERT2-5-F18	LTM03-ERT2-5-S19
Sample Date			05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019	05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019	05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019	05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	15 U	--	**89.2**	ND U	16 U	**18**	--	**125**	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---
Arsenic	3	µg/L	**1.3**	**1.3**	**2.5**	--	**2.1**	ND U	1 U	1.0 U	--	< 1.0 U	**1.6**	**1.3**	**1.4**	--	---	**1.6**	**1.5**	**1.6**	--	---
Barium	2000	µg/L	**9200**	**8600**	**7600**	--	**8270**	**2500**	**2200**	**2000**	--	**1990**	**830**	**860**	**780**	--	---	**550**	**620**	**520**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	**0.12 J**	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	**0.22 J**	ND U	1 U	1.0 U	--	**0.21 J**	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	**320**	**210**	**340**	--	**2710**	ND U	20 U	20 U	--	**1160**	**22**	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	1 U	1.0 U	--	**3.2**	ND U	**2.5**	**3.8**	--	**6.1**	ND U	**1.3**	**2.0**	--	---	ND U	**1.4**	**1.8**	--	---
Manganese	50	µg/L	**160**	**170**	**190**	--	**156**	**3**	**4**	**5.5**	--	**2.4**	**3**	**2**	**1.7**	--	---	**2**	**1**	1.0 U	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U
4,4-DDE	0.1	µg/L	0.03 U	---	0.048 U	**0.0058 J-**	< 0.050 U	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	**0.0031 J**	---	0.048 U	0.050 UJ	< 0.050 U
4,4-DDT	0.1	µg/L	0.03 U	---	**0.0029 J**	**0.0095 J-**	< 0.050 U	0.03 U	---	0.048 U	**0.027 J-**	< 0.050 U	0.03 U	---	**0.0043 J**	0.050 UJ	< 0.050 U	**0.016 J**	---	0.048 U	0.050 UJ	< 0.050 U
Beta-BHC	0.04	µg/L	0.01 U	---	0.029 U	0.040 UJ	< 0.030 U	0.01 U	---	0.029 U	0.040 UJ	< 0.030 U	0.01 U	---	0.029 U	0.040 UJ	**0.0069 J**	0.01 U	---	0.029 U	0.040 UJ	< 0.030 U
Dieldrin	0.03	µg/L	0.02 U	U	**0.0029 J**	0.050 UJ	< 0.050 U	0.02 U	U	0.048 U	**0.019 J-**	< 0.050 U	0.02 U	U	**0.0037 J**	0.050 UJ	< 0.050 U	0.02 U	U	0.048 U	0.050 UJ	< 0.050 U
Endosulfan II	40	µg/L	**0.0022 J**	---	0.048 U	0.050 UJ	< 0.050 U	**0.0021 J**	---	0.048 U	0.050 UJ	< 0.050 U	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U
Endosulfan sulfate	40	µg/L	0.05 U	---	0.048 U	**0.0027 J-**	< 0.050 U	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U
Gamma-BHC Lindane	0.03	µg/L	0.01 UJ	U	0.029 U	0.020 UJ	< 0.030 U	0.01 U	U	0.029 U	0.020 UJ	< 0.030 U	0.01 U	U	0.029 U	0.020 UJ	< 0.030 U	0.01 U	U	0.029 U	0.020 UJ	< 0.030 U
gamma-Chlordane	0.5	µg/L	**0.0018 J**	---	0.029 U	0.025 UJ	**0.0027 J**	0.025 U	---	0.029 U	**0.0037 J-**	< 0.030 U	0.025 U	---	0.029 U	**0.0012 J**	< 0.030 U	0.025 U	---	0.029 U	0.025 UJ	< 0.030 U
Heptachlor	0.05	µg/L	0.02 U	---	0.029 U	0.025 UJ	< 0.030 U	0.02 U	---	0.029 U	0.025 UJ	< 0.030 U	0.02 U	---	0.029 U	0.025 UJ	< 0.030 U	0.02 U	---	0.029 U	0.025 UJ	< 0.030 U
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.029 U	0.025 UJ	< 0.030 U	0.025 U	---	0.029 U	**0.0071 J-**	< 0.030 U	0.025 U	---	0.029 U	0.025 UJ	< 0.030 U	0.025 U	---	0.029 U	0.025 UJ	< 0.030 U
Methoxychlor	40	µg/L	0.25 UJ	---	0.24 U	0.25 UJ	< 0.25 U	0.25 UJ	---	0.24 U	0.25 UJ	< 0.25 U	0.25 U	---	0.24 U	0.25 UJ	< 0.25 U	0.25 U	---	0.24 U	0.25 UJ	< 0.25 U
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	2.5 U	2.5 R	< 0.50 U	5 U	5 U	5.0 U	2.5 R	< 5.0 U	5 U	**0.37 J**	0.50 U	0.50 R	**0.17 J**	5 U	**0.92 J**	2.5 U	2.5 R	< 2.5 U
1,1-dichloroethene	1	µg/L	5 U	5 U	2.5 U	2.5 R	**0.10 J-**	5 U	5 U	5.0 U	2.5 R	< 5.0 U	**0.62 J**	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	2.5 U	2.5 R	< 2.5 U
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	2.5 U	2.5 R	< 0.50 U	5 U	5 U	5.0 U	2.5 R	< 5.0 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	2.5 U	2.5 R	< 2.5 U
1,2-dichloroethane	2	µg/L	5 U	5 U	2.5 U	2.5 R	< 0.50 U	5 U	5 U	5.0 U	2.5 R	< 5.0 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	2.5 U	2.5 R	< 2.5 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	2.5 U	2.5 R	< 0.50 U	5 U	5 U	5.0 U	2.5 R	**1.1 J**	5 U	5 U	**0.29 J**	**0.46 J**	**0.34 J**	5 U	5 U	2.5 U	2.5 R	< 2.5 U
Benzene	1	µg/L	5 U	5 U	2.5 U	2.5 R	**0.081 J**	5 U	5 U	5.0 U	2.5 R	< 5.0 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	2.5 U	2.5 R	< 2.5 U
Bromodichloromethane	1	µg/L	5 U	5 U	2.5 U	2.5 R	< 0.50 U	5 U	5 U	5.0 U	2.5 R	< 5.0 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	2.5 U	2.5 R	< 2.5 U
Chlorobenzene	50	µg/L	5 U	5 U	2.5 U	2.5 R	< 0.50 U	5 U	5 U	5.0 U	2.5 R	< 5.0 U	5 U	5 U	0.50 U	0.50 R	**0.059 J**	5 U	5 U	2.5 U	2.5 R	< 2.5 U
Chloroform	70	µg/L	5 U	5 U	2.5 U	2.5 R	< 0.50 U	**0.99 J**	5 U	5.0 U	2.5 R	< 5.0 U	5 U	5 U	0.50 U	**0.35 J**	< 0.50 U	5 U	5 U	2.5 U	2.5 R	< 2.5 U
cis-1,2-dichloroethene	70	µg/L	**8.1**	**6.3**	**6.5**	**6.7 J-**	**8.3 J-**	**4.5 J**	**4.2 J**	**3.9 J**	**3.6 J-**	**5.0**	**30**	**24**	**22**	**6.0 J**	**9.6**	**70**	**55**	**47**	**60 J-**	**39**
Methyl tert-butyl ether	70	µg/L	**340**	**380**	**310**	**300 J**	**280**	**11**	5 U	**5.0**	**5.6 J**	**4.8 J**	**2.2 J**	**1.7 J**	**1.9**	**2.5 J**	**1.9 J+**	5 U	5 U	2.5 U	2.5 R	< 2.5 U
Methylene Chloride	3	µg/L	5 U	5 U	2.5 U	2.5 R	< 0.50 U	5 U	5 U	5.0 U	2.5 R	< 5.0 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	2.5 U	2.5 R	< 2.5 U
Tetrachloroethene	1	µg/L	**1.4 J**	**0.83 J**	2.5 U	**0.98 J**	**1.1**	**1.4 J**	**1.2 J**	5.0 U	**1.1 J**	**1.3 J**	5 U	5 U	**0.41 J**	**0.35 J**	**0.36 J**	5 U	**0.83 J**	2.5 U	2.5 R	**0.47 J**
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	2.5 U	2.5 R	**0.11 J-**	5 U	5 U	5.0 U	2.5 R	< 5.0 U	5 U	5 U	**0.15 J**	0.50 R	**0.090 J**	5 U	5 U	2.5 U	2.5 R	< 2.5 U
Trichloroethene	1	µg/L	**330**	**270**	**220**	**240 J**	**200**	**450**	**410**	**400**	**370 J**	**470**	**300**	**220**	**190**	**94 R**	**56**	**370**	**340**	**260**	**270 J**	**220**
Vinyl chloride	1	µg/L	5 U	5 UJ	**3.2**	**2.3 J**	**3.0**	**1.3 J**	5 U	5.0 U	2.5 R	< 5.0 U	**4.3 J**	**3.7 J**	**2.5**	**1.5 J**	**1.3**	**2.1 J**	5 UJ	2.5 U	2.5 R	< 2.5 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U
Aroclor 1242	N/A	µg/L	**0.043 J**	U	0.20 U	--	< 0.20 U	1 U	U	0.20 U	--	< 0.20 U	1 U	U	0.20 U	--	< 0.20 U	1 U	U	0.20 U	--	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	**0.084 J**	--	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 U	--	< 0.20 U	0.2 U	U	0.20 U	--	< 0.20 U	0.2 U	U	**0.23 J**	--	< 0.20 U	0.2 U	U	0.20 U	--	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.20 U	--	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT2-6	ERT2-6	ERT2-6	ERT2-6	ERT2-6	ERT2-7	ERT2-7	ERT2-7	ERT2-7	ERT2-7	ERT3-1	ERT3-1	ERT3-1	ERT3-1	ERT3-1	ERT3-2	ERT3-2	ERT3-2	ERT3-2	ERT3-2
Depth (ft)			113-123	113-123	113-123	113-123	113-123	127-137	127-137	127-137	127-137	127-137	27-37	27-37	27-37	27-37	27-37	55-65	55-65	55-65	55-65	55-65
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT2-6	CDE-OU3-BLSR2-ERT2-6	LTM01-ERT2-6-S18	LTM01-ERT2-6-F18	LTM03-ERT2-6-S19	CDE-OU3-BLSR1-ERT2-7	CDE-OU3-BLSR2-ERT2-7	LTM01-ERT2-7-S18	LTM01-ERT2-7-F18	LTM03-ERT2-7-S19	CDE-OU3-BLSR1-ERT3-1	CDE-OU3-BLSR2-ERT3-1	LTM01-ERT3-1-S18	LTM01-ERT3-1-F18	LTM03-ERT3-1-S19	CDE-OU3-BLSR1-ERT3-2	CDE-OU3-BLSR2-ERT3-2	LTM01-ERT3-2-S18	LTM01-ERT3-2-F18	LTM03-ERT3-2-S19
Sample Date			05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019	05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019	01/13/2017	26/07/2017	5/1/2018	10/17/2018	6/6/2019	01/13/2017	26/07/2017	5/1/2018	10/17/2018	6/6/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---
Arsenic	3	µg/L	**1.5**	**1.8**	**1.6**	--	---	**2.1**	**2.1**	**2.2**	--	---	**1.1**	**6.0**	1.0 U	--	---	**2.0**	**2.0**	**1.4**	--	---
Barium	2000	µg/L	**340**	**360**	**320**	--	---	**120**	**120**	**110**	--	---	**520**	**450**	**410**	--	---	**450**	**510**	**390**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	**37**	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	**1.9**	**1.6**	--	---	ND U	**1.1**	**2.1**	--	---	ND U	**3.9**	1.0 U	--	---	ND U	**1.3**	1.0 U	--	---
Manganese	50	µg/L	**4**	**7**	**2.7**	--	---	**1**	**1**	1.0 U	--	---	**290**	**200**	**41**	--	---	**40**	**56**	**12**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	0.048 U	**0.042 J**	< 0.050 U	**0.0037 J**	---	0.048 U	0.050 UJ	< 0.050 U	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	0.029 U	0.040 UJ	< 0.030 U	0.01 U	---	0.029 U	0.040 UJ	**0.0064 J**	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	**0.0047 J**	**0.031 J**	< 0.050 U	**0.017 J**	**0.032**	**0.025 J**	**0.029 J**	**0.023 J**	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U	0.05 U	---	0.048 U	0.050 UJ	< 0.050 U	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.029 U	0.020 UJ	< 0.030 U	0.01 U	U	0.029 U	0.020 UJ	< 0.030 U	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.029 U	0.025 UJ	< 0.030 U	0.025 U	---	0.029 U	0.025 UJ	**0.0013 J**	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	0.029 U	0.025 UJ	< 0.030 U	0.02 U	---	0.029 U	0.025 UJ	< 0.030 U	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.029 U	**0.015 J**	< 0.030 U	0.025 U	---	0.029 U	0.025 UJ	< 0.030 U	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 UJ	---	0.24 U	0.25 UJ	< 0.25 U	0.25 UJ	---	0.24 U	0.25 UJ	< 0.25 U	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	**0.6 J**	**0.48 J**	**0.56 J**	**0.47 J**	**0.92 J**	**1.2 J**	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	**0.61 J**	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	**0.48 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 U	**0.26 J**	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**11**	**14**	**14**	**20 J**	**13**	**190**	**160**	**140**	**120 J-**	**98**	5 U	5 U	**0.43 J**	**0.33 J**	**0.091 J**	5 U	**0.51 J**	**0.43 J**	**0.31 J**	**0.32 J**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	**0.27 J**	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	**0.41 J**	**0.44 J**	0.50 U	**0.25 J**
Methylene Chloride	3	µg/L	5 U	**0.19 J**	0.50 U	0.50 R	< 0.50 U	5 U	10 U	5.0 U	**10 R**	< 5.0 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	**0.17 J**	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**1.2 J**	**0.93 J**	**0.98**	**0.92 J**	**0.74**	**8.9**	**6.8 J**	**5.7**	**10 R**	**3.3 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	**0.18 J**	**0.18 J**	**0.14 J**
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	**0.11 J**	**0.11 J**	**0.13 J**	**1.2 J**	**0.96 J**	**1.1 J**	**10 R**	**0.86 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**33**	**82**	**51**	**130 J**	**52**	**910**	**890**	**550**	**1,000 J**	**660**	5 U	5 U	**0.18 J**	**0.14 J**	**0.067 J**	**1.5 J**	**0.65 J**	**0.50**	**0.53**	**0.32 J**
Vinyl chloride	1	µg/L	**2.2 J**	5 U	**2.3**	**1.1 J**	**1.9**	**3.6 J**	**6.5 J-**	**11**	**10 R**	**1.9 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 U	--	< 0.20 U	**0.054 J**	U	**0.17 J**	--	< 0.20 U	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 U	--	< 0.20 U	0.2 U	U	0.20 U	--	< 0.20 U	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT3-3	ERT3-3	ERT3-3	ERT3-3	ERT3-3	ERT3-5	ERT3-5	ERT3-5	ERT3-5	ERT3-5	ERT3-6	ERT3-6	ERT3-6	ERT3-6	ERT3-6	ERT4-1	ERT4-1	ERT4-1	ERT4-1	ERT4-1
Depth (ft)			90-105	90-105	90-105	90-105	90-105	124-134	124-134	124-134	124-134	124-134	138-148	138-148	138-148	138-148	138-148	27-37	27-37	27-37	27-37	27-37
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT3-3	CDE-OU3-BLSR2-ERT3-3	LTM01-ERT3-3-S18	LTM01-ERT3-3-F18	LTM03-ERT3-3-S19	CDE-OU3-BLSR1-ERT3-5	CDE-OU3-BLSR2-ERT3-5	LTM01-ERT3-5-S18	LTM01-ERT3-5-F18	LTM03-ERT3-5-S19	CDE-OU3-BLSR1-ERT3-6	CDE-OU3-BLSR2-ERT3-6	LTM01-ERT3-6-S18	LTM01-ERT3-6-F18	LTM03-ERT3-6-S19	CDE-OU3-BLSR1-ERT4-1	CDE-OU3-BLSR2-ERT4-1	LTM01-ERT4-1-S18	LTM01-ERT4-1-F18	LTM03-ERT4-1-S19
Sample Date			01/13/2017	26/07/2017	5/1/2018	10/17/2018	6/6/2019	01/13/2017	26/07/2017	5/1/2018	10/17/2018	6/6/2019	01/13/2017	26/07/2017	5/1/2018	10/17/2018	6/6/2019	01/17/2017	20/07/2017	4/2/2018	10/18/2018	6/12/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**2.8**	**3.0**	**1.7**	--	---	**3.2**	**3.4**	**3.3**	--	---	**3.5**	**3.8**	**3.5**	--	---	**1.6**	**1.7**	**1.8**	--	---
Barium	2000	µg/L	**240**	**240**	**190**	--	---	**61**	**61**	**54**	--	---	**34**	**36**	**32**	--	---	**69**	**79**	**72**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	**1**	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	**1.6**	1.0 U	--	---	ND U	**2.6**	**1.7**	--	---	ND U	1 U	**1.3**	--	---	**1.0**	1 U	**2.1**	--	---
Manganese	50	µg/L	**40**	**29**	**4.2**	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	**3**	**11**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 UJ	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 UJ	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 UJ	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 UJ	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	**0.54 J**	**0.48 J**	**0.44 J**	**0.55**	5 U	**0.71 J**	**0.67**	2.5 U	**0.43 J**	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	**1.7 J**	**0.69**	**0.34 J**	**0.16 J**	5 U	**1.2 J**	**0.37 J**	**0.32 J**	**0.50**	5 U	**1.3 J**	**0.42 J**	2.5 U	**0.35 J**	5 U	5 U	**0.23 J**	**0.29 J**	**0.28 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	**0.14 J**	0.50 U	< 0.50 U	5 U	**0.52 J**	**0.68**	**0.55**	< 0.50 U	5 U	**0.44 J**	**0.60**	2.5 U	< 0.50 U	5 U	5 U	**0.16 J**	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**59**	**58**	**49**	**19**	**11**	**220**	**230**	**190**	**180**	**280**	**370**	**370**	**290**	**280**	**230**	**17**	**13**	**7.6 J**	**11**	**12**
Methyl tert-butyl ether	70	µg/L	5 U	**0.92 J**	**1.2**	**0.62**	**0.38 J**	5 U	**0.49 J**	**0.42 J**	0.50 U	**0.26 J**	5 U	**0.45 J**	**0.41 J**	2.5 U	**0.26 J**	5 U	5 U	**0.21 J**	0.50 U	**0.27 J**
Methylene Chloride	3	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	**0.58 J**	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**1.2 J**	**0.78 J**	**0.66**	**0.26 J**	**0.10 J**	**4.7 J**	**3.6 J**	**3.3**	**3.1**	**5.2**	5 U	**5.1**	**4.3**	**3.6**	**4.1**	5 U	**0.43 J**	**0.34 J**	**0.37 J**	**0.25 J**
trans-1,2-dichloroethene	100	µg/L	5 U	**0.38 J**	**0.33 J**	**0.13 J**	**0.075 J**	**1.4 J**	**1.6 J**	**1.8**	**1.4**	**2.2**	**2.3 J**	**2.8 J**	**3.4**	**1.6 J**	**1.7**	5 U	5 U	0.50 UJ	0.50 U	**0.17 J**
Trichloroethene	1	µg/L	**190**	**160**	**110**	**41**	**26**	**190**	**61**	**37**	**37**	**36**	**93**	**53**	**35**	**31**	**26**	**38**	**35**	**29 J**	**29**	**23**
Vinyl chloride	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	**0.9 J**	**0.77**	**0.37 J**	**0.41 J**	5 U	**0.8 J**	**0.42 J**	2.5 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	**0.43 J**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	< 0.20 UJ	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	< 0.20 UJ	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	**0.12 J**	--	< 0.20 UJ	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	**0.092**	0.20 U	--	< 0.20 UJ	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 U	--	< 0.20 UJ	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	< 0.20 UJ	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 UJ	--	---

Notes:
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U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT4-2	ERT4-2	ERT4-2	ERT4-2	ERT4-2	ERT4-3	ERT4-3	ERT4-3	ERT4-3	ERT4-3	ERT4-4	ERT4-4	ERT4-4	ERT4-4	ERT4-4	ERT4-5	ERT4-5	ERT4-5	ERT4-5	ERT4-5
Depth (ft)			46-56	46-56	46-56	46-56	46-56	61-66	61-66	61-66	61-66	61-66	83-88	83-88	83-88	83-88	83-88	91-106	91-106	91-106	91-106	91-106
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT4-2	CDE-OU3-BLSR2-ERT4-2	LTM01-ERT4-2-S18	LTM01-ERT4-2-F18	LTM03-ERT4-2-S19	CDE-OU3-BLSR1-ERT4-3	CDE-OU3-BLSR2-ERT4-3	LTM01-ERT4-3-S18	LTM01-ERT4-3-F18	LTM03-ERT4-3-S19	CDE-OU3-BLSR1-ERT4-4	CDE-OU3-BLSR2-ERT4-4	LTM01-ERT4-4-S18	LTM01-ERT4-4-F18	LTM03-ERT4-4-S19	CDE-OU3-BLSR1-ERT4-5	CDE-OU3-BLSR2-ERT4-5	LTM01-ERT4-5-S18	LTM01-ERT4-5-F18	LTM03-ERT4-5-S19
Sample Date			01/17/2017	20/07/2017	4/2/2018	10/18/2018	6/12/2019	01/17/2017	19/07/2017	4/2/2018	10/18/2018	6/12/2019	01/17/2017	19/07/2017	4/2/2018	10/18/2018	6/12/2019	01/17/2017	20/07/2017	4/2/2018	10/18/2018	6/7/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**1.4**	**1.5**	**1.3**	--	---	**1.3**	**1.5**	**1.3**	--	---	**2.0**	**2.3**	**2.1**	--	---	**2.4**	**2.4**	**2.4**	--	---
Barium	2000	µg/L	**73**	**81**	**75**	--	---	**67**	**84**	**73**	--	---	**48**	**52**	**47**	--	---	**47**	**46**	**44**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	**1.6**	**1.2**	**1.8**	--	---	ND U	1 U	**2.1**	--	---	ND U	**1.4**	**2.7**	--	---	**1.5**	1 U	**1.1**	--	---
Manganese	50	µg/L	**1**	**2**	**1.1**	--	---	**3**	**4**	**2.8**	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	**0.25 J**	**0.29 J**	0.50 U	**0.22 J**	5 U	**0.22 J**	0.50 UJ	0.50 U	**0.23 J**
1,1-dichloroethene	1	µg/L	5 U	5 U	**0.16 J**	0.50 U	**0.17 J**	5 U	5 U	0.50 UJ	0.50 U	**0.21 J**	5 U	**2.2 J**	**1.2 J**	**0.85**	**0.73**	5 U	5 U	**0.56 J**	**0.56**	**0.24 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 UJ	**0.15 J**	< 0.50 U	5 U	5 U	**0.16 J**	0.50 U	< 0.50 U	5 U	5 U	**0.58 J**	**0.53**	< 0.50 U	5 U	5 U	**0.55 J**	**0.50**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**6**	**5.6**	**5.6 J**	**5.4**	**9.7**	**2.3 J**	**4.1 J**	**6.5 J**	**5.6**	**8.3**	**67**	**59**	**48 J**	**49**	**25**	**50**	**42**	**39 J**	**39**	**31**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	**0.47 J**	**0.35 J**	0.50 U	< 0.50 U	5 U	5 U	**0.27 J**	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	**0.65 J**	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	**0.59 J**	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	**0.23 J**	**0.24 J**	**0.22 J**	**0.24 J**	5 U	**0.34 J**	**0.57 J**	**0.51**	**0.33 J**	**2.5 J**	**1.9 J**	**2.3 J**	**2.2**	**2.0**	**2.5 J**	**2.1 J**	**2.1 J**	**2.0**	**1.9**
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	0.50 UJ	0.50 U	**0.16 J**	5 U	5 U	0.50 UJ	0.50 U	**0.11 J**	5 U	**0.44 J**	**0.38 J**	**0.37 J**	**0.66**	5 U	**0.33 J**	**0.32 J**	**0.33 J**	**1.6**
Trichloroethene	1	µg/L	**20**	**17**	**16 J**	**15**	**16**	**5.4**	**7**	**8.4 J**	**5.6**	**19**	**180**	**100**	**56 J**	**41**	**10**	**53**	**30**	**26 J**	**23**	**14**
Vinyl chloride	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	**1.0**	5 U	5 U	0.50 UJ	0.50 U	**0.34 J**	5 U	5 U	**0.22 J**	0.50 U	**0.36 J**	5 U	5 U	**0.12 J**	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT4-6	ERT4-6	ERT4-6	ERT4-6	ERT4-6	ERT4-7	ERT4-7	ERT4-7	ERT4-7	ERT4-7	ERT5-1	ERT5-1	ERT5-1	ERT5-1	ERT5-1	ERT5-2	ERT5-2	ERT5-2	ERT5-2	ERT5-2
Depth (ft)			111-116	111-116	111-116	111-116	111-116	128-138	128-138	128-138	128-138	128-138	24-34	24-34	24-34	24-34	24-34	37-47	37-47	37-46	37-47	37-47
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT4-6	CDE-OU3-BLSR2-ERT4-6	LTM01-ERT4-6-S18	LTM01-ERT4-6-F18	LTM03-ERT4-6-S19	CDE-OU3-BLSR1-ERT4-7	CDE-OU3-BLSR2-ERT4-7	LTM01-ERT4-7-S18	LTM01-ERT4-7-F18	LTM03-ERT4-7-S19	CDE-OU3-BLSR1-ERT5-1	CDE-OU3-BLSR2-ERT5-1	LTM01-ERT5-1-S18	LTM01-ERT5-1-F18	LTM03-ERT5-1-S19	CDE-OU3-BLSR1-ERT5-2	CDE-OU3-BLSR2-ERT5-2	LTM01-ERT5-2-S18	LTM01-ERT5-2-F18	LTM03-ERT5-2-S19
Sample Date			01/17/2017	20/07/2017	4/2/2018	10/18/2018	6/12/2019	01/17/2017	20/07/2017	4/2/2018	10/18/2018	6/12/2019	1/10/2017	07/21/2017	4/17/2018	10/16/2018	6/4/2019	1/10/2017	07/21/2017	4/17/2018	10/16/2018	6/4/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**2.6**	**2.6**	**2.6**	--	---	**2.8**	**2.8**	**2.7**	--	---	ND U	1 U	1.0 U	--	---	**1.1**	**1.2**	**1.2**	--	---
Barium	2000	µg/L	**41**	**43**	**41**	--	---	**40**	**43**	**41**	--	---	**150**	**140**	**130**	--	---	**190**	**210**	**190**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	**1.2**	1 U	**1.3**	--	---	ND U	1 U	**1.3**	--	---	ND U	1 U	**1.4**	--	---	ND U	1 U	**2.0**	--	---
Manganese	50	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	**22**	**14**	**12**	--	---	ND U	1 U	**1.4**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	**0.003 J**	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	**0.25 J**	0.50 UJ	0.50 U	**0.16 J**	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	**0.26 J**	**0.18 J**	**0.20 J**	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	**0.068 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	**0.095 J**	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	**0.43 J**	**0.42 J**	< 0.50 U	5 U	5 U	**0.51 J**	**0.44 J**	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**53**	**47**	**43 J**	**43**	**29**	**37**	**33**	**34 J**	**31**	**11**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Methyl tert-butyl ether	70	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	**0.35 J**	0.50 U	**0.25 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	**0.59 J**	0.50 UJ	0.50 U	< 0.50 U	5 U	**0.54 J**	0.50 UJ	0.50 U	< 0.50 U	5 U	**0.5 J**	0.50 U	0.50 U	< 0.50 U	5 U	**0.53 J**	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**2.8 J**	**2.2 J**	**2.3 J**	**1.9**	**1.2**	**2.6 J**	**2.3 J**	**2.4 J**	**2.1**	**0.93**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	5 U	**0.45 J**	**0.36 J**	**0.35 J**	**0.61**	5 U	**0.29 J**	**0.30 J**	**0.29 J**	**0.48 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**22**	**13**	**12 J**	**8.6**	**18**	**6.9**	**4.7 J**	**4.8 J**	**4.8**	**11**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	**0.072 J**
Vinyl chloride	1	µg/L	5 U	5 U	**0.20 J**	**0.14 J**	**0.46 J**	5 U	5 U	0.50 UJ	0.50 U	**0.89**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ		---	---	U	0.20 UJ		---	---	U	0.19 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ		---	---	U	0.20 UJ		---	---	U	0.19 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ		---	1 U	U	0.20 UJ		---	1 U	U	0.19 UJ	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ		---	---	U	0.20 UJ		---	---	U	0.19 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ		---	0.2 U	U	0.20 UJ		---	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ		---	1 U	---	0.20 UJ		---	1 U	---	0.19 UJ	--	---	1 U	---	0.20 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT5-3	ERT5-3	ERT5-3	ERT5-3	ERT5-3	ERT5-4	ERT5-4	ERT5-4	ERT5-4	ERT5-4	ERT5-5	ERT5-5	ERT5-5	ERT5-5	ERT5-5	ERT5-6	ERT5-6	ERT5-6	ERT5-6	ERT5-6
Depth (ft)			50-60	50-60	50-60	50-60	50-60	77-87	77-87	77-87	77-87	77-87	93-98	93-98	93-98	93-98	93-98	120-130	120-130	120-130	120-130	120-130
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT5-3	CDE-OU3-BLSR2-ERT5-3	LTM01-ERT5-3-S18	LTM01-ERT5-3-F18	LTM03-ERT5-3-S19	CDE-OU3-BLSR1-ERT5-4	CDE-OU3-BLSR2-ERT5-4	LTM01-ERT5-4-S18	LTM01-ERT5-4-F18	LTM03-ERT5-4-S19	CDE-OU3-BLSR1-ERT5-5	CDE-OU3-BLSR2-ERT5-5	LTM01-ERT5-5-S18	LTM01-ERT5-5-F18	LTM03-ERT5-5-S19	CDE-OU3-BLSR1-ERT5-6	CDE-OU3-BLSR2-ERT5-6	LTM01-ERT5-6-S18	LTM01-ERT5-6-F18	LTM03-ERT5-6-S19
Sample Date			1/10/2017	07/21/2017	4/17/2018	10/16/2018	6/4/2019	1/11/2017	07/24/2017	4/17/2018	10/16/2018	6/4/2019	1/11/2017	07/24/2017	4/17/2018	10/16/2018	6/4/2019	1/11/2017	07/24/2017	4/17/2018	10/16/2018	6/4/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**1.7**	**1.8**	**1.8**	--	---	**1.6**	**1.4**	**1.7**	--	---	**1.9**	**2.0**	**1.9**	--	---	**2.2**	**2.2**	**2.3**	--	---
Barium	2000	µg/L	**140**	**140**	**130**	--	---	**110**	**100**	**110**	--	---	**100**	**110**	**100**	--	---	**88**	**88**	**87**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	1 U	**1.3**	--	---	ND U	1 U	**1.2**	--	---	ND U	1 U	1.0 U	--	---	ND U	**1.2**	1.0 U	--	---
Manganese	50	µg/L	**1**	**1**	**1.8**	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	**0.0038 J**	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	**0.12 J**	5 U	**1.2 J**	0.50 U	**0.42 J**	**0.21 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	5 U	5 U	**0.16 J**	0.50 U	**0.36 J**	5 U	**0.18 J**	0.50 U	0.50 U	**0.098 J**	**1.3 J**	**0.72 J**	**0.52**	**0.47 J**	**0.67**	**4.9 J**	**3.8 J**	**1.5**	**2.7**	**2.1**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	**0.52 J**	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	**0.18 J**	**1.3 J**	**0.83 J**	**0.24 J**	**0.74**	**0.54**
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**2.5 J**	**1 J**	**0.70**	**0.67**	**0.61**	**7.3**	**1.6 J**	**1.0**	**0.76**	**0.50**	**15**	**4.1 J**	**3.5**	**2.2**	**3.0**	**53**	**40**	**6.2**	**28**	**8.6**
Vinyl chloride	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	< 0.20 U
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---	**0.037 J**	U	0.20 UJ	--	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT6-1	ERT6-1	ERT6-1	ERT6-1	ERT6-1	ERT6-2	ERT6-2	ERT6-2	ERT6-2	ERT6-2	ERT6-3	ERT6-3	ERT6-3	ERT6-3	ERT6-3	ERT6-4	ERT6-4	ERT6-4	ERT6-4	ERT6-4
Depth (ft)			26-36	26-36	26-36	26-36	26-36	75-85	75-85	75-85	75-85	75-85	93-103	93-103	93-103	93-103	93-103	107-117	107-117	107-117	107-117	107-117
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT6-1	CDE-OU3-BLSR2-ERT6-1	LTM01-ERT6-1-S18	LTM01-ERT6-1-F18	LTM03-ERT6-1-S19	CDE-OU3-BLSR1-ERT6-2	CDE-OU3-BLSR2-ERT6-2	LTM01-ERT6-2-S18	LTM01-ERT6-2-F18	LTM03-ERT6-2-S19	CDE-OU3-BLSR1-ERT6-3	CDE-OU3-BLSR2-ERT6-3	LTM01-ERT6-3-S18	LTM01-ERT6-3-F18	LTM03-ERT6-3-S19	CDE-OU3-BLSR1-ERT6-4	CDE-OU3-BLSR2-ERT6-4	LTM01-ERT6-4-S18	LTM01-ERT6-4-F18	LTM03-ERT6-4-S19
Sample Date			1/11/2017	07/13/2017	4/17/2018	10/15/2018	6/4/2019	1/10/2017	07/13/2017	4/17/2018	10/15/2018	6/4/2019	1/10/2017	07/13/2017	4/17/2018	10/15/2018	6/4/2019	1/11/2017	07/13/2017	4/17/2018	10/15/2018	6/4/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	**170**	16 U	**59**	--	---	ND U	**17**	16 U	--	---	**650**	**19**	16 U	--	---	**23**	**23**	**59**	--	---
Arsenic	3	µg/L	**3.4**	**2.6**	**2.5**	--	---	**1.7**	**1.8**	**1.8**	--	---	**2.3**	**1.4**	**1.5**	--	---	**1.9**	**1.9**	**2.0**	--	---
Barium	2000	µg/L	**700**	**780**	**760**	--	---	**270**	**270**	**230**	--	---	**78**	**220**	**200**	--	---	**200**	**200**	**180**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	**1400**	**4100**	**2000**	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	1 U	1.0 U	--	---	**1.9**	**3.2**	**1.2**	--	---	ND U	**3.3**	**1.9**	--	---	ND U	**4.0**	**2.2**	--	---
Manganese	50	µg/L	**74**	**380**	**350**	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**8.9**	**4.2 J**	**2.8**	**2.3**	**1.6**	**3.4 J**	**2.5 J**	**3.0**	**1.6**	**0.64**	5 U	5 U	0.50 U	**0.25 J**	**0.15 J**	**3.2 J**	**2.6 J**	**3.1**	**2.7**	**0.91**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	**0.039 J**	5 U	5 U	0.50 U	0.50 U	**0.23 J**
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	5 U	5 U	**0.16 J**	0.50 U	**0.089 J**	**1.1 J**	**0.77 J**	**0.36 J**	**0.27 J**	**0.16 J**	5 U	**0.66 J**	**0.38 J**	**0.35 J**	**0.16 J**	**11**	**7**	**4.1**	**0.99**	**0.61**
Vinyl chloride	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT6-5	ERT6-5	ERT6-5	ERT6-5	ERT6-5	ERT7-1	ERT7-1	ERT7-1	ERT7-1	ERT7-1	ERT7-2	ERT7-2	ERT7-2	ERT7-2	ERT7-2	ERT7-3	ERT7-3	ERT7-3	ERT7-3	ERT7-3
Depth (ft)			128-138	128-138	128-138	128-138	128-138	25-35	25-35	25-35	25-35	25-35	45-55	45-55	45-55	45-55	45-55	65-75	65-75	65-75	65-75	65-75
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT6-5	CDE-OU3-BLSR2-ERT6-5	LTM01-ERT6-5-S18	LTM01-ERT6-5-F18	LTM03-ERT6-5-S19	CDE-OU3-BLSR1-ERT7-1	CDE-OU3-BLSR2-ERT7-1	LTM01-ERT7-1-S18	LTM01-ERT7-1-F18	LTM03-ERT7-1-S19	CDE-OU3-BLSR1-ERT7-2	CDE-OU3-BLSR2-ERT7-2	LTM01-ERT7-2-S18	LTM01-ERT7-2-F18	LTM03-ERT7-2-S19	CDE-OU3-BLSR1-ERT7-3	CDE-OU3-BLSR2-ERT7-3	LTM01-ERT7-3-S18	LTM01-ERT7-3-F18	LTM03-ERT7-3-S19
Sample Date			1/10/2017	07/13/2017	4/17/2018	10/15/2018	6/4/2019	01/17/2017	26/07/2017	4/18/2018	10/15/2018	6/6/2019	01/17/2017	26/07/2017	4/18/2018	10/15/2018	6/6/2019	01/17/2017	26/07/2017	4/18/2018	10/15/2018	6/6/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	**240**	**230**	--	---	**52**	**39**	**19**	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	< 20.0 U
Arsenic	3	µg/L	**1.4**	**2.3**	**2.2**	--	---	**1.9**	**2.1**	**1.9**	--	---	**1.1**	**1.8**	**1.3**	--	---	**1.2**	**1.4**	**1.4**	--	**1.3**
Barium	2000	µg/L	**230**	**79**	**74**	--	---	**830**	**970**	**880**	--	---	**830**	**920**	**840**	--	---	**830**	**930**	**830**	--	**844**
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 2.0 U
Iron	300	µg/L	ND U	20 U	20 U	--	---	**89**	**52**	**24**	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	< 200 U
Lead	5	µg/L	ND U	**3.2**	1.0 U	--	---	**2.3**	**4.7**	**3.6**	--	---	**1.1**	**1.6**	**4.5**	--	---	**3.4**	**7.3**	**4.5**	--	**2.4**
Manganese	50	µg/L	ND U	1 U	1.0 U	--	---	**8**	**5**	**3.8**	--	---	**2**	**2**	**2.4**	--	---	ND U	**1**	1.0 U	--	**1.3**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	**0.0035 J**	--	--	---	**0.015 J**	**0.019**	--	--	---	**0.025**	**0.033**	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	**0.36 J**	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	**0.75 J**	**1.1 J**	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**5.9**	**5**	**5.5**	**4.9**	**1.3**	5 U	5 U	0.50 UJ	**0.17 J**	< 0.50 U	5 U	**0.35 J**	**0.57 J**	**0.94**	**0.45 J**	5 U	**0.47 J**	**0.27 J**	**0.40 J**	**0.15 J**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	**0.66 J**	**0.68**	**0.57**	**0.39 J**	5 U	**0.25 J**	**0.29 J**	**0.27 J**	**0.32 J**	5 U	**0.37 J**	**0.38 J**	**0.33 J**	**0.19 J**	5 U	5 U	**0.20 J**	**0.24 J**	**0.22 J**
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	0.50 U	0.50 U	**0.063 J**	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**63**	**52**	**38**	**17**	**1.9**	5 U	5 U	0.50 UJ	0.50 U	**0.075 J**	5 U	**0.35 J**	**0.29 J**	**0.28 J**	**0.18 J**	**1.2 J**	**0.95 J**	**0.89 J**	**0.78**	**0.77**
Vinyl chloride	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	< 0.22 U	---	U	0.20 UJ	--	< 0.21 U	---	U	0.20 UJ	--	< 0.21 U	---	U	0.20 UJ	--	< 0.21 U
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	< 0.22 U	---	U	0.20 UJ	--	< 0.21 U	---	U	0.20 UJ	--	< 0.21 U	---	U	0.20 UJ	--	< 0.21 U
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	< 0.22 U	1 U	U	0.20 UJ	--	< 0.21 U	1 U	U	0.20 UJ	--	< 0.21 U	1 U	U	0.20 UJ	--	< 0.21 U
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	< 0.22 U	---	U	0.20 UJ	--	< 0.21 U	---	U	0.20 UJ	--	< 0.21 U	---	U	0.20 UJ	--	< 0.21 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	< 0.22 U	0.2 U	**0.069**	0.20 UJ	--	< 0.21 U	0.2 U	U	0.20 UJ	--	< 0.21 U	0.2 U	U	0.20 UJ	--	< 0.21 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	< 0.22 U	1 U	---	0.20 UJ	--	< 0.21 U	1 U	---	0.20 UJ	--	< 0.21 U	1 U	---	0.20 UJ	--	< 0.21 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT7-4	ERT7-4	ERT7-4	ERT7-4	ERT7-4	ERT7-5	ERT7-5	ERT7-5	ERT7-5	ERT7-5	ERT8-1	ERT8-1	ERT8-1	ERT8-1	ERT8-1	ERT8-2	ERT8-2	ERT8-2	ERT8-2	ERT8-2
Depth (ft)			100-110	100-110	100-110	100-110	100-110	130-140	130-140	130-140	130-140	130-140	17-27	17-27	17-27	17-27	17-27	31-41	31-41	31-41	31-41	31-41
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT7-4	CDE-OU3-BLSR2-ERT7-4	LTM01-ERT7-4-S18	LTM01-ERT7-4-F18	LTM03-ERT7-4-S19	CDE-OU3-BLSR1-ERT7-5	CDE-OU3-BLSR2-ERT7-5	LTM01-ERT7-5-S18	LTM01-ERT7-5-F18	LTM03-ERT7-5-S19	CDE-OU3-BLSR1-ERT8-1	CDE-OU3-BLSR2-ERT8-1	LTM01-ERT8-1-S18	LTM01-ERT8-1-F18	LTM03-ERT8-1-S19	CDE-OU3-BLSR1-ERT8-2	CDE-OU3-BLSR2-ERT8-2	LTM01-ERT8-2-S18	LTM01-ERT8-2-F18	LTM03-ERT8-2-S19
Sample Date			01/17/2017	26/07/2017	4/18/2018	10/15/2018	6/6/2019	01/17/2017	26/07/2017	4/18/2018	10/15/2018	6/6/2019	01/24/2017	8/02/2017	4/18/2018	10/16/2018	6/11/2019	01/24/2017	8/02/2017	4/18/2018	10/16/2018	6/11/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	**36**	**29**	16 U	--	**282**	**88**	**64**	**28**	--	---	ND U	**35**	16 U	--	---
Arsenic	3	µg/L	**1.1**	**1.2**	**1.3**	--	---	**3.3**	**4.3**	**3.8**	--	**3.3**	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Barium	2000	µg/L	**800**	**860**	**790**	--	---	**95**	**89**	**100**	--	**103**	**1200**	**1100**	**1000**	--	---	**1500**	**1500**	**1500**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	**56**	**40**	20 U	--	**742**	**87**	**47**	**22**	--	---	ND U	**28**	20 U	--	---
Lead	5	µg/L	**2.1**	**4.9**	**3.1**	--	---	**10.0**	**2.1**	**3.7**	--	**11.4**	**3.1**	**3.7**	**1.8**	--	---	**3.7**	**2.5**	**2.4**	--	---
Manganese	50	µg/L	**2**	**3**	**1.9**	--	---	**67**	**72**	**82**	--	**85.8**	**16**	**9**	**4.3**	--	---	ND U	**8**	**2.7**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	**0.04**	**0.052**	--	--	---	**0.33**	**0.54 J+**	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	**0.0062 J**	---	--	--	---	**0.0052 J**	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	**0.018 J**	**0.018 J**	0.50 UJ	0.50 U	< 0.50 U	**0.053 J**	**0.042 J**	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	**0.035 J**	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	**0.64**	**0.72**	0.50 UJ	**0.37 J**	< 0.50 U	**1.2**	**0.91**	0.50 UJ	**0.83**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**2.4 J**	**0.54 J**	**0.86 J**	**1.1**	**0.69**	**21**	**12**	**9.7 J**	**3.4**	**3.8**	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Methyl tert-butyl ether	70	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	**0.055 J**	**5.1**	**3.1 J**	**3.0 J**	**0.67**	**1.9**	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**22**	**0.95 J**	**5.0 J**	**5.1**	**4.5**	**78**	**40**	**35 J**	**7.6**	**5.8**	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Vinyl chloride	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	< 0.20 U	1 U	U	0.20 UJ	--	< 0.20 U	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	< 0.20 U	0.2 U	U	0.20 UJ	--	< 0.20 U	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	< 0.20 U	1 U	---	0.20 UJ	--	< 0.20 U	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			ERT8-3	ERT8-3	ERT8-3	ERT8-3	ERT8-3	ERT8-5	ERT8-5	ERT8-5	ERT8-5	ERT8-5	ERT8-6	ERT8-6	ERT8-6	ERT8-6	ERT8-6	ERT8-7	ERT8-7	ERT8-7	ERT8-7	ERT8-7
Depth (ft)			44-54	44-54	44-54	44-54	44-54	87-97	87-97	87-97	87-97	87-97	107-112	107-112	107-112	107-112	107-112	135-145	135-145	135-145	135-145	135-145
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-ERT8-3	CDE-OU3-BLSR2-ERT8-3	LTM01-ERT8-3-S18	LTM01-ERT8-3-F18	LTM03-ERT8-3-S19	CDE-OU3-BLSR1-ERT8-5	CDE-OU3-BLSR2-ERT8-5	LTM01-ERT8-5-S18	LTM01-ERT8-5-F18	LTM03-ERT8-5-S19	CDE-OU3-BLSR1-ERT8-6	CDE-OU3-BLSR2-ERT8-6	LTM01-ERT8-6-S18	LTM01-ERT8-6-F18	LTM03-ERT8-6-S19	CDE-OU3-BLSR1-ERT8-7	CDE-OU3-BLSR2-ERT8-7	LTM01-ERT8-7-S18	LTM01-ERT8-7-F18	LTM03-ERT8-7-S19
Sample Date			01/24/2017	8/02/2017	4/18/2018	10/16/2018	6/11/2019	01/24/2017	8/02/2017	4/18/2018	10/16/2018	6/11/2019	01/24/2017	8/02/2017	4/18/2018	10/16/2018	6/11/2019	01/24/2017	8/02/2017	4/18/2018	10/16/2018	6/11/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	ND U	16 U	**62**	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	ND U	1 U	**2.9**	--	---	**3.0**	**2.9**	**2.1**	--	---	**5.3**	**4.9**	**5.3**	--	---	**2.2**	**2.1**	**2.1**	--	---
Barium	2000	µg/L	**1100**	**1200**	**300**	--	---	**310**	**310**	**950**	--	---	**200**	**210**	**200**	--	---	**120**	**100**	**97**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	**33**	--	---	ND U	20 U	20 U	--	---	ND U	20 U	**22**	--	---
Lead	5	µg/L	**1.1**	**2.6**	**2.3**	--	---	**1.9**	**3.6**	**3.0**	--	---	**1.3**	**2.2**	**1.8**	--	---	**1.5**	**1.7**	**3.0**	--	---
Manganese	50	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	**4.8**	--	---	**7**	**8**	**9.0**	--	---	**3**	1 U	**4.6**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	**0.065**	**0.1**	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	**0.0033 J**	---	--	--	---	**0.006 J**	---	--	--	---	**0.0093 J**	---	--	--	---	**0.0044 J**	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.011 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.02 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.037 J**	0.50 UJ	0.50 U	< 0.50 U
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	**0.043 J**	**0.047 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.012 J**	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	**0.027 J**	**0.028 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.012 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	**0.14 J**	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	**0.12 J**	0.5 U	0.50 UJ	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Methyl tert-butyl ether	70	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	0.3 U	**0.042 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.039 J**	0.50 UJ	0.50 U	< 0.50 U	**0.64**	**0.68**	**0.31 J**	**0.41 J**	< 0.50 U
Vinyl chloride	1	µg/L	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			FWP-1	FWP-1	FWP-1	FWP-1	FWP-1	FWP-2	FWP-2	FWP-2	FWP-2	FWP-2	FWP-3	FWP-3	FWP-3	FWP-3	FWP-3	FWP-4	FWP-4	FWP-4	FWP-4	FWP-4
Depth (ft)			31-41	31-41	31-41	31-41	31-41	46-51	46-51	46-51	46-51	46-51	100-110	100-110	100-110	100-110	100-110	125-135	125-135	125-135	125-135	125-135
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-FPW-1	CDE-OU3-BLSR2-FPW-1	LTM01-FPW-1-S18	LTM01-FPW-1-F18	LTM03-FWP-1-S19	CDE-OU3-BLSR1-FPW-2	CDE-OU3-BLSR2-FPW-2	LTM01-FPW-2-S18	LTM01-FPW-2-F18	LTM03-FWP-2-S19	CDE-OU3-BLSR1-FPW-3	CDE-OU3-BLSR2-FPW-3	LTM01-FPW-3-S18	LTM01-FPW-3-F18	LTM03-FWP-3-S19	CDE-OU3-BLSR1-FPW-4	CDE-OU3-BLSR2-FPW-4	LTM01-FPW-4-S18	LTM01-FPW-4-F18	LTM03-FWP-4-S19
Sample Date			03/01/2017	14/07/2017	4/3/2018	4/3/2018	6/11/2019	03/01/2017	14/07/2017	4/3/2018	10/9/2018	6/11/2019	03/01/2017	14/07/2017	4/3/2018	10/9/2018	6/11/2019	03/01/2017	14/07/2017	4/3/2018	10/9/2018	6/11/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	**18**	20.0 U	---	ND U	16 U	16 U	20.0 U	---	ND U	16 U	16 U	20.0 U	---	ND U	**31**	**33**	**102**	---
Arsenic	3	µg/L	**2.0**	**1.7**	**2.2**	**2**	---	**2.4**	**2.5**	**2.3**	**2.9**	---	**3.1**	**2.8**	**2.7**	**3**	---	**4.0**	**3.7**	**3.6**	**4.4**	---
Barium	2000	µg/L	**600**	**590**	**540**	**615**	---	**190**	**220**	**190**	**218**	---	**110**	**120**	**110**	**118**	---	**140**	**140**	**130**	**145**	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---
Chromium	70	µg/L	ND U	1 U	1.0 U	2.0 U	---	ND U	1 U	1.0 U	2.0 U	---	ND U	1 U	1.0 U	2.0 U	---	ND U	1 U	1.0 U	2.0 U	---
Iron	300	µg/L	**190**	**160**	**260**	**420**	---	**42**	**32**	**29**	**272**	---	**22**	20 U	20 U	200 U	---	**22**	20 U	20 U	**217**	---
Lead	5	µg/L	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	**3.8**	**4.8**	**1.1**	---	ND U	1 U	1.0 U	1.0 U	---
Manganese	50	µg/L	**1500**	**1600**	**1700**	**2030**	---	**410**	**470**	**480**	**520**	---	**110**	**74**	**93**	**113**	---	**130**	**150**	**160**	**212**	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 U	< 0.050 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.03 U	---	0.050 UJ	0.050 UJ	< 0.052 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U
4,4-DDE	0.1	µg/L	0.03 U	---	0.050 UJ	**0.0013 J**	**0.00080 J**	0.03 U	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.03 U	---	0.050 UJ	0.050 UJ	< 0.052 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U
4,4-DDT	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 U	< 0.050 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.03 U	---	0.050 UJ	0.050 UJ	< 0.052 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U
Beta-BHC	0.04	µg/L	0.01 U	---	0.030 UJ	0.040 U	< 0.030 U	0.01 U	---	0.030 UJ	0.040 UJ	< 0.030 UJ	**0.015 J**	---	0.030 UJ	0.040 UJ	< 0.031 U	0.01 U	---	0.030 UJ	0.040 UJ	< 0.030 U
Dieldrin	0.03	µg/L	0.02 U	U	0.050 UJ	0.050 U	< 0.050 U	0.02 U	U	0.050 UJ	0.050 UJ	< 0.050 UJ	0.02 U	U	0.050 UJ	0.050 UJ	< 0.052 U	0.02 U	U	0.050 UJ	0.050 UJ	< 0.051 U
Endosulfan II	40	µg/L	**0.0019 J**	---	**0.019 J**	0.050 U	< 0.050 U	0.05 U	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.05 U	---	0.050 UJ	0.050 UJ	< 0.052 U	0.05 U	---	**0.011 J**	0.050 UJ	< 0.051 U
Endosulfan sulfate	40	µg/L	0.05 U	---	0.050 UJ	0.050 U	< 0.050 U	0.05 U	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.05 U	---	0.050 UJ	0.050 UJ	< 0.052 U	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 U
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.030 UJ	0.020 U	< 0.030 U	0.01 U	U	0.030 UJ	0.020 UJ	< 0.030 UJ	0.01 U	U	0.030 UJ	0.020 UJ	< 0.031 U	0.01 U	U	0.030 UJ	R	< 0.030 U
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.030 UJ	0.025 U	< 0.030 U	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 UJ	0.025 U	---	0.030 UJ	0.025 UJ	< 0.031 U	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 U
Heptachlor	0.05	µg/L	0.02 U	---	0.030 UJ	0.025 U	< 0.030 U	0.02 U	---	0.030 UJ	0.025 UJ	< 0.030 UJ	0.02 U	---	0.030 UJ	**0.0083 J**	**0.0074 J**	0.02 U	---	0.030 UJ	0.025 UJ	< 0.030 U
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.030 UJ	0.025 U	< 0.030 U	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 UJ	0.025 U	---	0.030 UJ	0.025 UJ	< 0.031 U	**0.0019 J**	---	0.030 UJ	0.025 UJ	< 0.030 U
Methoxychlor	40	µg/L	0.25 U	---	0.25 UJ	0.25 U	< 0.25 U	0.25 UJ	---	0.25 UJ	0.25 UJ	< 0.25 UJ	0.25 U	---	0.25 UJ	0.25 UJ	< 0.26 U	0.25 U	---	0.25 UJ	0.25 UJ	< 0.25 U
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	**1.2 J**	**1.2 J**	5.0 UJ	5.0 U	< 5.0 U	50 U	**6.8 J**	50 UJ	50 U	< 50 U	5 U	5 U	5.0 UJ	2.5 U	< 2.5 U
1,1-dichloroethene	1	µg/L	**3.5 J**	10 U	**2.2 J**	**2.2 J**	**1.5 J**	**60**	10 U	**49 J**	**41**	**41**	**17 J**	130 U	**19 J**	50 UJ	**11 J**	**5.7**	5 U	**4.9 J**	**3.5**	**3.2**
1,2,4-trichlorobenzene	9	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	**10**	10 U	**8.1 J**	**9.1**	**10**	**46 J**	130 U	**51 J**	**50 J-**	< 50 U	**8.4**	**7.8**	**8.6 J**	**7.1**	**8.4**
1,2-dichloroethane	2	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	50 U	130 U	50 UJ	50 U	< 50 U	5 U	5 U	5.0 UJ	2.5 U	< 2.5 U
1,4-dichlorobenzene	75	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	50 U	130 U	50 UJ	50 UJ	< 50 U	5 U	5 U	**1.7 J**	**1.4 J**	< 2.5 U
Benzene	1	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	50 U	130 U	50 UJ	50 U	< 50 U	5 U	5 U	5.0 UJ	2.5 U	< 2.5 U
Bromodichloromethane	1	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	50 U	130 U	50 UJ	50 U	< 50 U	5 U	5 U	5.0 UJ	2.5 U	< 2.5 U
Chlorobenzene	50	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	**3.1 J**	**2.4 J**	**2.8 J**	**2.4 J**	< 5.0 U	50 U	130 U	50 UJ	50 UJ	< 50 U	5 U	**0.56 J**	5.0 UJ	**0.67 J**	< 2.5 U
Chloroform	70	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	50 U	130 U	50 UJ	50 U	< 50 U	5 U	5 U	5.0 UJ	2.5 U	< 2.5 U
cis-1,2-dichloroethene	70	µg/L	**1100**	**950**	**790 J**	**1100**	**660**	**880**	**440**	**940 J**	**830**	**850**	**4400**	**3200**	**3,800 J**	**2600**	**2900**	**210**	**320**	**420 J**	**300**	**470**
Methyl tert-butyl ether	70	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	50 U	130 U	50 UJ	50 U	< 50 U	**5.4**	**4.8 J**	**5.4 J**	**4.3**	**5.4**
Methylene Chloride	3	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	50 U	130 U	50 UJ	50 U	< 50 U	5 U	5 U	5.0 UJ	2.5 U	< 2.5 U
Tetrachloroethene	1	µg/L	5 U	10 U	5.0 UJ	5.0 U	< 5.0 U	**42**	**28**	**33 J**	**27**	**30**	50 U	**14 J**	50 UJ	50 U	**9.5 J**	**4.1 J**	**2.7 J**	**3.7 J**	**2.6**	**2.6**
trans-1,2-dichloroethene	100	µg/L	**4.6 J**	**4.5 J**	**3.1 J**	**5.6**	**12**	**7.5**	10 U	**6.7 J**	**6.2**	**7.7**	**17 J**	130 U	**15 J**	**15 J-**	**25 J**	**1 J**	5 U	**2.2 J**	**1.6 J**	**3.3**
Trichloroethene	1	µg/L	5 U	**2.2 J**	5.0 UJ	5.0 U	**1.1 J**	**740**	**280**	**560 J**	**460**	**510**	**7800**	**6900**	**8,700 J**	**5000**	**6200**	**340**	**350**	**500 J**	**350**	**480**
Vinyl chloride	1	µg/L	**420**	**320**	**320 J**	**480**	**260**	**16**	**15**	**22 J**	**24**	**11**	**190**	**81 J**	**120 J**	**160**	**46 J**	**41**	**78**	**99 J**	**150**	**85**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	**0.36 J**	0.40 UJ	< 0.20 U	---	**8 J**	**4.4 J**	0.40 UJ	< 0.20 U	---	U	**1.4 J**	0.40 UJ	< 0.20 U	---	U	**0.31 J**	0.40 UJ	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	**1.3**	0.19 UJ	0.40 UJ	< 0.20 U
Aroclor 1242	N/A	µg/L	**0.033 J**	U	0.20 UJ	0.40 UJ	< 0.20 U	**0.23 J**	U	0.20 UJ	0.40 UJ	**0.61**	**0.33 J**	U	0.20 UJ	0.40 UJ	**0.35**	**0.04 J**	U	0.19 UJ	0.40 UJ	**0.12 J**
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.19 UJ	0.40 UJ	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	0.40 UJ	< 0.20 U	**0.026 J**	U	0.20 UJ	0.40 UJ	< 0.20 U	0.2 U	U	0.20 UJ	0.40 UJ	< 0.20 U	0.2 U	U	0.19 UJ	0.40 UJ	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	0.40 UJ	< 0.20 U	1 U	---	0.20 UJ	0.40 UJ	< 0.20 U	1 U	---	0.20 UJ	0.40 UJ	< 0.20 U	1 U	---	0.19 UJ	0.40 UJ	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			FWP-5	FWP-5	FWP-5	FWP-5	FWP-5	FWP-6	FWP-6	FWP-6	FWP-6	FWP-6	FWP-7	FWP-7	FWP-7	FWP-7	FWP-7	FWP-8	FWP-8	FWP-8	FWP-8	FWP-8
Depth (ft)			180-190	180-190	180-190	180-190	180-190	200-205	200-205	200-205	200-205	200-205	235-245	235-245	235-245	235-245	235-245	268-278	268-278	268-278	268-278	268-278
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-FPW-5	CDE-OU3-BLSR2-FPW-5	LTM01-FPW-5-S18	LTM01-FPW-5-F18	LTM03-FWP-5-S19	CDE-OU3-BLSR1-FPW-6	CDE-OU3-BLSR2-FPW-6	LTM01-FPW-6-S18	LTM01-FPW-6-F18	LTM03-FWP-6-S19	CDE-OU3-BLSR1-FPW-7	CDE-OU3-BLSR2-FPW-7	LTM01-FPW-7-S18	LTM01-FPW-7-F18	LTM03-FWP-7-S19	CDE-OU3-BLSR1-FPW-8	CDE-OU3-BLSR2-FPW-8	LTM01-FPW-8-S18	LTM01-FPW-8-F18	LTM03-FWP-8-S19
Sample Date			03/01/2017	14/07/2017	4/3/2018	10/9/2018	6/11/2019	04/01/2017	14/07/2017	4/3/2018	10/9/2018	6/11/2019	03/01/2017	14/07/2017	4/3/2018	10/9/2018	6/11/2019	03/01/2017	14/07/2017	4/3/2018	10/9/2018	6/11/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	20.0 U	---	**16**	**18**	16 U	20.0 U	---	**31**	**18**	**180**	**23.8**	< 20.0 U	ND U	16 U	16 U	20.0 U	---
Arsenic	3	µg/L	**4.7**	**4.2**	**4.5**	**5.4**	---	**4.7**	**4.8**	**4.4**	**5.5**	---	**4.9**	**4.6**	**4.7**	**5.5**	**5.7**	**4.1**	**4.3**	**3.8**	**4.7**	---
Barium	2000	µg/L	**150**	**140**	**130**	**130**	---	**120**	**130**	**110**	**117**	---	**92**	**89**	**82**	**87.6**	**80.8**	**91**	**93**	**80**	**88.8**	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	1.0 U	---
Chromium	70	µg/L	ND U	1 U	1.0 U	2.0 U	---	ND U	1 U	1.0 U	**0.12 J**	---	ND U	1 U	1.0 U	**0.19 J**	< 2.0 U	ND U	1 U	1.0 U	**1.0 J**	---
Iron	300	µg/L	**47**	**35**	**35**	200 U	---	**21**	**23**	**21**	200 U	---	**20**	**20**	20 U	200 U	< 200 U	ND U	20 U	20 U	200 U	---
Lead	5	µg/L	ND U	1 U	1.0 U	**3**	---	ND U	**3.1**	**2.0**	**2.4**	---	ND U	**15**	1.0 U	**0.30 J**	**1.3**	ND U	**3.3**	1.0 U	**0.56 J**	---
Manganese	50	µg/L	**890**	**460**	**640**	**618**	---	**170**	**180**	**170**	**179**	---	**150**	**120**	**130**	**136**	**128**	**88**	**78**	**72**	**79**	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 U	< 0.056 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 U
4,4-DDE	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 U	**0.0011 J**	0.03 U	---	0.050 UJ	0.050 U	**0.0027 J**	0.03 U	---	0.050 UJ	0.050 UJ	**0.0014 J**	0.03 U	---	0.050 UJ	0.050 U	**0.0011 J**
4,4-DDT	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 U	< 0.056 U	0.03 U	---	0.050 UJ	0.050 U	**0.013 J**	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 U
Beta-BHC	0.04	µg/L	0.01 U	---	0.030 UJ	0.040 U	< 0.033 U	0.01 U	---	0.030 UJ	0.040 U	< 0.031 U	0.01 U	---	0.030 UJ	**0.017 J**	< 0.031 U	0.01 U	---	0.030 UJ	0.040 U	< 0.030 UJ
Dieldrin	0.03	µg/L	0.02 U	U	0.050 UJ	0.050 U	< 0.056 U	0.02 U	U	0.050 UJ	0.050 U	< 0.051 U	0.02 U	U	0.050 UJ	0.050 UJ	< 0.051 U	0.02 U	U	0.050 UJ	0.050 U	< 0.051 U
Endosulfan II	40	µg/L	0.05 U	---	0.050 UJ	0.050 U	< 0.056 U	0.05 U	---	0.050 UJ	0.050 U	< 0.051 U	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.05 U	---	**0.021 J**	0.050 U	< 0.051 U
Endosulfan sulfate	40	µg/L	0.05 U	---	0.050 UJ	0.050 U	**0.0021 J**	0.05 U	---	0.050 UJ	0.050 U	< 0.051 U	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.05 U	---	0.050 UJ	0.050 U	< 0.051 U
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.030 UJ	0.020 U	< 0.033 U	0.01 U	U	0.030 UJ	0.020 U	< 0.031 U	0.01 U	U	0.030 UJ	0.020 UJ	< 0.031 U	0.01 U	U	0.030 UJ	0.020 U	< 0.030 U
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.030 UJ	0.025 U	< 0.033 U	0.025 U	---	0.030 UJ	0.025 U	< 0.031 U	0.025 U	---	0.030 UJ	0.025 UJ	< 0.031 U	0.025 U	---	0.030 UJ	0.025 U	< 0.030 U
Heptachlor	0.05	µg/L	0.02 U	---	0.030 UJ	0.025 U	**0.0050 J**	0.02 U	---	0.030 UJ	0.025 U	**0.0020 J**	0.02 U	---	0.030 UJ	0.025 UJ	< 0.031 U	0.02 U	---	0.030 UJ	0.025 U	< 0.030 U
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.030 UJ	0.025 U	< 0.033 U	0.025 U	---	0.030 UJ	0.025 U	< 0.031 U	**0.0021 J**	---	0.030 UJ	0.025 UJ	< 0.031 U	0.025 U	---	0.030 UJ	0.025 U	< 0.030 U
Methoxychlor	40	µg/L	0.25 UJ	---	0.25 UJ	0.25 U	< 0.28 U	0.25 UJ	---	0.25 UJ	0.25 U	**0.0094 J**	**0.016 J**	---	0.25 UJ	0.25 UJ	< 0.26 U	0.25 UJ	---	0.25 UJ	0.25 U	< 0.25 U
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 2.5 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	**3.0 J**	**1.1**	**2.6**	**4.4 J**	5 U	**2.9 J**	**2.4**	**0.32 J**	**2.8 J**	5 U	**1.8 J**	**1.8**	**2.0 J**	**4.1 J**	5 U	**2.8 J**	**3.1**	**2.9**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	**2.6 J**	**1.3**	**1.9**	5 U	5 U	0.50 UJ	0.50 U	**0.31 J**	5 U	5 U	0.50 UJ	0.50 U	**0.49 J**	5 U	5 U	**0.20 J**	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 2.5 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	**0.42 J**	**0.33 J**	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 2.5 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 UJ	**0.17 J**	**0.11 J**	5 U	5 U	0.50 UJ	0.50 U	**0.14 J**	5 U	5 U	**0.13 J**	0.50 U	< 2.5 U	5 U	5 U	0.50 UJ	0.50 U	**0.093 J**
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 2.5 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	**0.32 J**	**0.37 J**	**0.39 J**	< 0.50 U	5 U	5 U	**0.24 J**	**0.25 J**	< 0.50 U	5 U	5 U	**0.24 J**	**0.18 J**	< 2.5 U	5 U	5 U	**0.22 J**	**0.26 J**	< 0.50 U
Chloroform	70	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 2.5 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**93**	**98**	**95 J**	**60**	**75**	**69**	**48**	**53 J**	**39**	**49**	**34**	**38**	**31 J**	**35**	**80**	**70**	**69**	**60 J**	**54**	**80**
Methyl tert-butyl ether	70	µg/L	**11**	**10**	**12 J**	**9.8**	**10**	**1.5 J**	**1.5 J**	**1.7 J**	**1.5**	**0.82 J+**	5 U	**0.96 J**	**1.8 J**	**0.93**	< 2.5 U	**22**	**17**	**16 J**	**19**	**12**
Methylene Chloride	3	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 2.5 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	**2 J**	**1.6 J**	**0.42 J**	**1.2**	**1.2 J**	**0.75 J**	**0.81 J**	**0.58**	< 0.50 U	5 U	**0.54 J**	**0.41 J**	**0.39 J**	**0.44 J**	5 U	**0.76 J**	**0.80 J**	**0.84**	**0.76**
trans-1,2-dichloroethene	100	µg/L	**0.95 J**	**0.61 J**	**0.85 J**	**1.0**	**1.0**	5 U	**0.34 J**	**0.30 J**	**0.38 J**	**1.3**	5 U	**0.5 J**	**0.47 J**	**0.37 J**	**0.90 J**	5 U	**0.76 J**	**0.57 J**	**0.90**	**1.5**
Trichloroethene	1	µg/L	**20**	**61**	**42 J**	**14**	**29**	**60**	**38**	**44 J**	**29**	**1.7**	**33**	**33**	**28 J**	**30**	**28**	**64**	**52**	**49 J**	**45**	**41**
Vinyl chloride	1	µg/L	**3.9 J**	**5.5**	**5.8 J**	**8.8**	**25**	**8.6**	**5.1**	**15 J**	**11**	**47**	**5**	**5.9**	**11 J**	**12**	**130**	**1.7 J**	**16**	**8.0 J**	**12**	**67**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	**0.27 J**	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.19 UJ	0.40 UJ	< 0.20 U	---	U	**0.099 J**	0.40 UJ	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.19 UJ	0.40 UJ	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U
Aroclor 1242	N/A	µg/L	**0.055 J**	U	0.20 UJ	0.40 U	< 0.20 U	**0.035 J**	U	0.20 UJ	0.40 UJ	< 0.20 U	1 U	U	0.19 UJ	**0.29 J**	< 0.20 U	**0.021 J**	U	0.20 UJ	0.40 UJ	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	0.40 U	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.19 UJ	0.40 UJ	< 0.20 U	---	U	0.20 UJ	0.40 UJ	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	0.40 U	< 0.20 U	0.2 U	U	0.20 UJ	0.40 UJ	< 0.20 U	0.2 U	U	0.19 UJ	0.40 UJ	< 0.20 U	0.2 U	U	0.20 UJ	0.40 UJ	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	0.40 U	< 0.20 U	1 U	---	0.20 UJ	0.40 UJ	< 0.20 U	1 U	---	0.19 UJ	0.40 UJ	< 0.20 U	1 U	---	0.20 UJ	0.40 UJ	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			FWP-9	FWP-9	FWP-9	FWP-9	FWP-9	MW-01A	MW-01A	MW-01A	MW-01A	MW-01A	MW-02A	MW-02A	MW-02A	MW-02A	MW-02A	MW-03	MW-03	MW-03	MW-03	MW-03
Depth (ft)			300-310	300-310	300-310	300-310	300-310	24-49	24-49	24-49	24-49	24-49	24-49	24-49	24-49	24-49	24-49	17-32	17-32	17-32	17-32	17-32
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-FPW-9	CDE-OU3-BLSR2-FPW-9	LTM01-FPW-9-S18	LTM01-FPW-9-F18	LTM03-FWP-9-S19	CDE-OU3-BLSR1-MW01A-SH	CDE-OU3-BLSR2-MW01A-SH	LTM01-MW01A-SH-S18	LTM01-MW01A-SH-F18	LTM03-MW01A-SH-S19	CDE-OU3-BLSR1-MW02A-SH	CDE-OU3-BLSR2-MW02A-SH	LTM01-MW02A-SH-S18	LTM01-MW02A-SH-F18	LTM03-MW02A-SH-S19	CDE-OU3-BLSR1-MW03-SH	CDE-OU3-BLSR2-MW03-SH	LTM01-MW03-SH-S18	LTM01-MW03-SH-F18	LTM03-MW03-SH-S19
Sample Date			03/01/2017	14/07/2017	4/3/2018	10/9/2018	6/11/2019	12/20/2016	7/11/2017	3/28/2018	10/8/2018	6/11/2019	12/21/2016	7/11/2017	3/28/2018	10/8/2018	6/10/2019	12/22/2016	7/12/2017	3/27/2018	10/8/2018	6/12/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	**47**	**26**	**20**	**37.8**	< 20.0 U	**300**	**170**	**24**	**18.9 J**	---	**31**	**70**	**27**	**61.3**	---	ND U	**2800**	**260**	**887**	**309**
Arsenic	3	µg/L	**2.2**	**2.3**	**2.1**	**2.6**	**2.4**	**1.1**	1 U	1.0 U	**0.83 J**	---	ND U	1 U	1.0 U	**0.47 J**	---	ND U	**1.8**	**1.1**	**1.7**	**1.2**
Barium	2000	µg/L	**59**	**59**	**48**	**52.2**	**45.2**	**950**	**970**	**960**	**1110**	---	**670**	**690**	**670**	**675**	---	**920**	**230**	**170**	**175**	**147**
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	**0.30 J**	---	ND U	1 U	1.0 U	**0.65 J**	**0.29 J**
Chromium	70	µg/L	ND U	1 U	1.0 U	**0.76 J**	**0.44 J**	**7.8**	**1.9**	1.0 U	**0.15 J**	---	ND U	1 U	1.0 U	2.0 U	---	**8.5**	**6.8**	**1.2**	**3.3**	**0.91 J**
Iron	300	µg/L	ND U	20 U	20 U	200 U	< 200 U	**460**	**140**	**28**	**167 J**	---	**350**	**340**	**190**	**1130**	---	**67**	**5000**	**660**	**2280**	**1670**
Lead	5	µg/L	**3.6**	**6.2**	**4.1**	**7**	**4.5**	**1.7**	**1.2**	1.0 U	**0.14 J**	---	ND U	**1.6**	1.0 U	1.0 U	---	ND U	**11**	**1.4**	**8.4**	**2.1**
Manganese	50	µg/L	**54**	**25**	**30**	**34.6**	**22.7**	**22**	**9**	**3.9**	**4.6**	---	**880**	**720**	**870**	**1120**	---	**17**	**410**	**190**	**406**	**278**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 U	< 0.050 UJ	0.03 U	---	0.050 U	0.050 U	**0.0025 J**	0.03 U	---	0.050 U	0.050 UJ	< 0.050 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U
4,4-DDE	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 U	< 0.050 UJ	0.03 U	---	0.050 U	**0.0045 J**	< 0.050 UJ	0.03 U	---	0.050 U	**0.0018 J**	< 0.050 U	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U
4,4-DDT	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 U	< 0.050 UJ	0.03 U	---	0.050 U	0.050 U	**0.0024 J**	0.03 U	---	**0.0061 J**	0.050 UJ	< 0.050 U	0.03 U	---	**0.019 J**	**0.060 J**	**0.074 NJ**
Beta-BHC	0.04	µg/L	0.01 U	---	0.030 UJ	0.040 U	< 0.030 UJ	**0.026 J**	---	0.030 U	0.040 U	< 0.030 UJ	0.01 U	---	0.030 U	0.040 UJ	< 0.030 U	R	---	0.030 UJ	**0.051 JN**	**0.11 NJ**
Dieldrin	0.03	µg/L	0.02 U	U	0.050 UJ	0.050 U	< 0.050 UJ	0.02 U	UJ	**0.0048 J**	0.050 U	< 0.050 UJ	0.02 U	U	0.050 U	0.050 UJ	< 0.050 U	**0.025 J**	U	**0.026 J**	**0.064 J**	**0.076**
Endosulfan II	40	µg/L	0.05 U	---	0.050 UJ	0.050 U	< 0.050 UJ	0.05 U	---	**0.031 J**	0.050 U	< 0.050 UJ	0.05 U	---	0.050 U	0.050 UJ	**0.0039 J**	0.05 U	---	0.050 UJ	0.050 UJ	**1.7**
Endosulfan sulfate	40	µg/L	0.05 U	---	0.050 UJ	0.050 U	< 0.050 UJ	0.05 U	---	0.050 U	0.050 U	< 0.050 UJ	0.05 U	---	0.050 U	0.050 UJ	< 0.050 U	0.05 U	---	0.050 UJ	**0.0021 J**	**0.0021 J**
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.030 UJ	0.020 U	< 0.030 UJ	0.01 U	UJ	**0.0035 J**	**0.0046 J**	**0.0036 J**	0.01 UJ	U	0.030 U	0.020 UJ	< 0.030 U	**0.094 J**	U	0.030 UJ	R	< 0.030 U
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.030 UJ	0.025 U	< 0.030 UJ	0.025 U	---	**0.0030 J**	0.025 U	< 0.030 UJ	0.025 U	---	0.030 U	0.025 UJ	< 0.030 U	0.025 U	---	0.030 UJ	0.025 UJ	**0.075**
Heptachlor	0.05	µg/L	0.02 U	---	0.030 UJ	0.025 U	< 0.030 UJ	0.02 U	---	0.030 U	0.025 U	< 0.030 UJ	0.02 U	---	0.030 U	0.025 UJ	< 0.030 U	0.02 U	---	**0.035 J**	**0.080 JN**	**0.070 NJ**
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.030 UJ	0.025 U	< 0.030 UJ	0.025 U	---	0.030 U	0.025 U	< 0.030 UJ	0.025 U	---	0.030 U	0.025 UJ	< 0.030 U	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 U
Methoxychlor	40	µg/L	0.25 UJ	---	0.25 UJ	0.25 U	< 0.25 UJ	**0.013 J**	---	**0.011 J**	0.25 U	< 0.25 UJ	0.25 U	---	0.25 U	0.25 UJ	< 0.25 U	0.25 U	---	0.25 UJ	0.25 UJ	< 0.25 U
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	100 U	250 UJ	100 U	**20 J**
1,1-dichloroethene	1	µg/L	**2.3 J**	5 U	**1.4 J**	**1.4**	**1.5**	5 U	5 U	**2.7 J**	**1.4 J**	**2.2 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	100 U	250 UJ	100 U	**19 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	**3.2 J**	5 U	**3.1 J**	**2.8**	**2.5**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	**180**	**120**	**100 J**	**120**	**81**
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	100 U	250 UJ	100 U	< 50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	**1.3 J**	**1.5 J**	**1.9 J**	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	100 U	250 UJ	100 U	**15 J**
Benzene	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	100 U	250 UJ	100 U	< 50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	100 U	250 UJ	100 U	< 50 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	**0.56 J**	5.0 U	**1.1 J**	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	**7.9 J**	250 UJ	100 U	**7.5 J**
Chloroform	70	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	100 U	250 UJ	100 U	< 50 U
cis-1,2-dichloroethene	70	µg/L	**31**	**24**	**30 J**	**31**	**50**	**810**	**600**	**410**	**260**	**560**	**3.6 J**	**0.93 J**	**0.49 J**	**0.35 J**	**0.51**	**9500**	**11000**	**15,000 J**	**12000**	**9800**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	**0.26 J**	0.50 U	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	100 U	250 UJ	100 U	< 50 U
Methylene Chloride	3	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	**1.5 J**	5.0 U	2.5 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	**23 J**	250 UJ	100 U	< 50 U
Tetrachloroethene	1	µg/L	5 U	**0.19 J**	**0.37 J**	**0.34 J**	**0.47 J**	5 U	**0.25 J**	5.0 U	2.5 U	**0.24 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	100 U	**44 J**	250 UJ	100 U	**12 J**
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	**0.17 J**	**0.19 J**	**0.49 J**	**5.4**	**3.9 J**	**3.1 J**	**1.9 J**	**3.9**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	**36 J**	**51 J**	**66 J**	**49 J**	**300**
Trichloroethene	1	µg/L	**30**	**18**	**26 J**	**25**	**23**	**330**	**360**	**390**	**170**	**340**	**1.1 J**	5 U	0.50 U	0.50 U	**0.40 J**	**22000**	**7,600 J**	**12,000 J**	**9700**	**6600**
Vinyl chloride	1	µg/L	**0.85 J**	**3.8 J**	**5.9 J**	**11**	**48**	**61**	**46**	**13**	**9.2**	**45**	5 U	**0.5 J**	**0.54**	**0.38 J**	**0.28 J**	100 U	**120**	**110 J**	**86 J**	**41 J**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 UJ	---	UJ	0.20 U	0.40 UJ	< 0.20 UJ	---	UJ	**6.6 J**	0.40 UJ	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 UJ	---	UJ	0.20 U	0.40 UJ	< 0.20 UJ	---	UJ	0.20 UJ	0.40 UJ	< 0.20 U
Aroclor 1242	N/A	µg/L	1 U	U	0.19 UJ	0.40 U	< 0.20 U	1 U	U	**0.32 J**	**0.37 J**	**0.29 J**	1 U	UJ	**0.099 J**	0.40 UJ	< 0.20 UJ	**9.8**	UJ	0.20 UJ	**5.4 J**	**4.1**
Aroclor 1248	0.5	µg/L	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.20 U	0.40 U	< 0.20 UJ	---	UJ	0.20 U	0.40 UJ	< 0.20 UJ	---	**5.4**	0.20 UJ	0.40 UJ	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.19 UJ	0.40 U	< 0.20 U	**0.18 J**	U	0.20 U	0.40 U	< 0.20 UJ	0.2 U	UJ	**0.091 J**	0.40 UJ	< 0.20 UJ	0.2 U	**1.5**	0.20 UJ	0.40 UJ	**1.0**
Aroclor 1260	N/A	µg/L	1 U	---	0.19 UJ	0.40 U	< 0.20 U	**0.057 J**	---	0.20 U	0.40 U	< 0.20 UJ	1 U	---	0.20 U	0.40 UJ	< 0.20 UJ	1 U	---	0.20 UJ	0.40 UJ	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-04	MW-04	MW-04	MW-04	MW-04	MW-05	MW-05	MW-05	MW-05	MW-05	MW-06	MW-06	MW-06	MW-06	MW-06	MW-07	MW-07	MW-07	MW-07	MW-07
Depth (ft)			29-49	29-49	29-49	29-49	29-49	25-45.5	25-45.5	25-45.5	25-45.5	25-45.5	29-44	29-44	29-44	29-44	0	43-58	43-58	43-58	43-58	43-58
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW04-SH	CDE-OU3-BLSR2-MW04-SH	LTM01-MW04-SH-S18	LTM01-MW04-SH-F18	LTM03-MW04-SH-S19	CDE-OU3-BLSR1-MW05-SH	CDE-OU3-BLSR2-MW05-SH	LTM01-MW05-SH-S18	LTM01-MW05-SH-F18	LTM03-MW05-SH-S19	Not Sampled	CDE-OU3-BLSR2-MW06-SH	LTM01-MW06-SH-S18	LTM01-MW06-SH-F18	LTM03-MW06-SH-S19	CDE-OU3-BLSR1-MW07-SH	CDE-OU3-BLSR2-MW07-SH	LTM01-MW07-SH-S18	LTM01-MW07-SH-F18	LTM03-MW07-SH-S19
Sample Date			12/22/2016	7/12/2017	3/27/2018	10/8/2018	6/11/2019	12/21/2016	7/10/2017	3/28/2018	10/8/2018	6/10/2019	---	12/07/2017	27/03/2018	10/8/2018	6/11/2019	12/21/2016	7/11/2017	29/2018 /4/23/2018	10/9/2018	6/11/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	**300**	**3900**	**580**	**0.12 J**	**306**	**27**	**23**	16 U	**8.5 J**	**24.3**	---	**5000**	**520**	**237**	**772**	**220**	**300**	**88**	20.0 U	**49.7 J**
Arsenic	3	µg/L	**1.1**	**1.9**	**1.1**	**217**	**1.2**	**3.2**	**2.5**	**2.6**	**3**	**2.4**	---	**1.5**	1.0 U	**0.85 J**	< 1.0 U	ND U	1 U	1.0 U	**0.76 J**	< 1.0 U
Barium	2000	µg/L	**190**	**250**	**160**	**1590**	**180**	**120**	**96**	**89**	**98.5**	**41.6**	---	**110**	**56**	**56.9**	**78.3**	**3100**	**2800**	**3000**	**3920**	**3320**
Cadmium	4	µg/L	ND U	1 U	1.0 U	**1.1**	< 1.0 U	ND U	1 U	1.0 U	1.0 U	< 1.0 U	---	**2.6**	**1.1**	**1**	**0.29 J**	ND U	1 U	1.0 U	1.0 U	< 1.0 U
Chromium	70	µg/L	**6.6**	**29**	**11**	**807**	**16.1**	**100**	**14**	**27**	**1.3 J**	**6.4**	---	**18**	**150**	**92.1**	**5.1**	**1.3**	**11**	**4.2**	2.0 U	**0.46 J**
Iron	300	µg/L	**200**	**2700**	**460**	0.050 UJ	**932**	**760**	**63**	**230**	**190 J**	< 200 U	---	**9000**	**1800**	**1300**	**2600**	**340**	**420**	**160**	**620**	**1120**
Lead	5	µg/L	ND U	**7.7**	**1.0**	0.050 UJ	**1.1**	ND U	**2.3**	1.0 U	**0.11 J**	< 1.0 U	---	**7.5**	**1.5**	**1.4**	**1.4**	ND U	**2.6**	1.0 U	1.0 U	< 1.0 U
Manganese	50	µg/L	**790**	**840**	**630**	**0.0098 J**	**633**	**530**	**310**	**270**	**336**	**166**	---	**240**	**79**	**125**	**143**	**45**	**38**	**18**	**30**	**16.4**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.050 UJ	**0.49 J**	< 0.051 U	0.03 U	---	**0.0040 J**	0.050 UJ	< 0.051 U	---	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.03 U	---	0.050 UJ	0.050 U	< 0.050 UJ
4,4-DDE	0.1	µg/L	0.03 U	---	0.050 UJ	**0.12 J**	< 0.051 U	0.03 U	---	0.050 U	0.050 UJ	< 0.051 U	---	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.03 U	---	0.050 UJ	0.050 U	**0.0031 J**
4,4-DDT	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 UJ	**0.0046 J**	R	---	**0.042 J**	**0.074 J**	**0.050 J**	---	---	**0.044 J**	**0.067 J**	**0.044 J**	0.03 U	---	0.050 UJ	0.050 U	< 0.050 UJ
Beta-BHC	0.04	µg/L	**0.076 NJ**	---	R	0.050 UJ	**0.22 J**	0.01 U	---	0.030 U	0.040 UJ	< 0.030 U	---	---	0.030 UJ	R	< 0.030 UJ	0.01 U	---	**0.15 J**	**0.15**	**0.11 J**
Dieldrin	0.03	µg/L	**0.034 J**	U	**0.073 J**	R	**0.075**	**0.075 J**	U	**0.078**	**0.097 J**	**0.061**	---	U	**0.040 J**	**0.053 J**	**0.038 J**	0.02 U	UJ	**0.019 J**	**0.015 J**	**0.0093 J**
Endosulfan II	40	µg/L	0.05 U	---	0.050 UJ	0.025 UJ	< 0.051 U	0.05 U	---	**0.016 J**	0.050 UJ	< 0.051 U	---	---	**0.019 J**	0.050 UJ	< 0.050 UJ	0.05 U	---	0.050 UJ	0.050 U	< 0.050 UJ
Endosulfan sulfate	40	µg/L	0.05 U	---	0.050 UJ	**0.092 JN**	< 0.051 U	0.05 U	---	0.050 U	0.050 UJ	< 0.051 U	---	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.05 U	---	**0.0033 J**	0.050 U	< 0.050 UJ
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.030 UJ	0.025 UJ	< 0.030 U	0.01 U	**0.011 NJ**	**0.0072 J**	**0.0093 J**	< 0.030 U	---	U	R	R	R	0.01 U	UJ	0.030 UJ	0.020 U	< 0.030 UJ
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.030 UJ	0.25 UJ	< 0.030 U	0.025 U	---	0.030 U	**0.026 JN**	< 0.030 U	---	---	0.030 UJ	0.025 UJ	< 0.030 UJ	0.025 U	---	0.030 UJ	0.025 U	< 0.030 UJ
Heptachlor	0.05	µg/L	0.02 U	---	0.030 UJ	100 U	**0.050 NJ**	0.02 U	---	0.030 U	**0.018 J**	< 0.030 U	---	---	0.030 UJ	**0.89 J**	< 0.030 UJ	0.02 U	---	0.030 UJ	0.025 U	< 0.030 UJ
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.030 UJ	100 U	< 0.030 U	0.025 U	---	0.030 U	0.025 UJ	< 0.030 U	---	---	0.030 UJ	0.025 UJ	< 0.030 UJ	0.025 U	---	0.030 UJ	0.025 U	< 0.030 UJ
Methoxychlor	40	µg/L	0.25 U	---	0.25 UJ	100 U	< 0.25 U	0.25 U	---	0.25 U	0.25 UJ	< 0.25 U	---	---	0.25 UJ	0.25 UJ	< 0.25 UJ	0.25 U	---	**0.0045 J**	0.25 U	< 0.25 UJ
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	50 U	100 U	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	---	50 U	50 UJ	50 U	**13 J**	**5.8 J**	100 U	50 UJ	25 U	< 50 U
1,1-dichloroethene	1	µg/L	50 U	100 U	250 UJ	100 U	< 100 UJ	5 U	5 U	**0.24 J**	**0.22 J**	**0.21 J**	---	50 U	50 UJ	50 U	< 50 U	**7.2 J**	100 U	**18 J**	25 U	< 50 U
1,2,4-trichlorobenzene	9	µg/L	**23 J**	100 U	250 UJ	100 U	< 100 U	**3.7 J**	5 U	**3.7**	**3.3**	**2.5**	---	**73**	**61 J**	**61**	< 50 U	**69**	100 U	**58 J**	**49**	< 50 U
1,2-dichloroethane	2	µg/L	50 U	100 U	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	---	50 U	50 UJ	50 U	< 50 U	25 U	100 U	50 UJ	25 U	< 50 U
1,4-dichlorobenzene	75	µg/L	50 U	**13 J**	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	---	50 U	50 UJ	50 U	< 50 U	**21 J**	**17 J**	**21 J**	**18 J**	< 50 U
Benzene	1	µg/L	50 U	100 U	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	---	50 U	50 UJ	50 U	< 50 U	25 U	100 U	50 UJ	25 U	< 50 U
Bromodichloromethane	1	µg/L	50 U	100 U	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	---	50 U	50 UJ	50 U	< 50 U	25 U	100 U	50 UJ	25 U	< 50 U
Chlorobenzene	50	µg/L	50 U	**9.3 J**	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	---	**1.8 J**	50 UJ	50 U	< 50 U	**40**	**31 J**	**37 J**	**33**	< 50 U
Chloroform	70	µg/L	50 U	100 U	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	**0.073 J**	---	50 U	50 UJ	50 U	< 50 U	25 U	100 U	50 UJ	25 U	< 50 U
cis-1,2-dichloroethene	70	µg/L	**8800**	**11000**	**13,000 J**	**11,000**	**12000 J**	**6.5**	**4 J**	**4.3**	**4.3**	**4.2**	---	**3900**	**3,700 J**	**5000**	**6000**	**2300**	**2500**	**4,300 J**	**1500**	**2000**
Methyl tert-butyl ether	70	µg/L	50 U	100 U	250 UJ	100 U	< 100 U	5 U	5 U	**0.37 J**	0.50 U	**0.46 J**	---	50 U	50 UJ	50 U	< 50 U	25 U	100 U	50 UJ	25 U	< 50 U
Methylene Chloride	3	µg/L	50 U	**23 J**	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	---	50 U	50 UJ	50 U	< 50 U	25 U	**13 J**	50 UJ	25 U	< 50 U
Tetrachloroethene	1	µg/L	50 U	**8.2 J**	250 UJ	100 U	**7.5 J**	**5.4**	**5.7**	**7.7**	**5.7**	**3.5**	---	**3000**	**2.200 J**	**2100**	**1300**	25 U	100 U	50 UJ	25 U	**6.0 J**
trans-1,2-dichloroethene	100	µg/L	**33 J**	**46 J**	250 UJ	**54 J**	**1500 J-**	5 U	5 U	0.50 U	0.50 U	**0.064 J**	---	**13 J**	**12 J**	**15 J**	**980**	**7.1 J**	**9.2 J**	**19 J**	25 U	**6.8 J**
Trichloroethene	1	µg/L	**6800**	**9000**	**12,000 J**	**9,100**	**9900 J**	**23**	**19**	**24 J**	**20**	**15**	---	**3900**	**2,500 J**	**3100**	**3700**	**4600**	**6300**	**2,800 J**	**3800**	**5400**
Vinyl chloride	1	µg/L	50 U	**15 J**	250 UJ	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	---	**8.5 J**	50 UJ	50 U	< 50 U	**430**	**570**	**1,300 J**	**400**	**380**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	UJ	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.20 U	0.40 UJ	< 0.20 U	---	UJ	1.0 UJ	0.40 UJ	< 1.0 UJ	---	U	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1232	N/A	µg/L	---	UJ	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.20 U	0.40 UJ	< 0.20 U	---	UJ	1.0 UJ	0.40 UJ	< 1.0 UJ	---	U	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1242	N/A	µg/L	**1.8**	UJ	**9.8 J**	**9.1 J**	**4.2**	1 U	U	**0.86 J**	**1.9 J**	< 0.20 U	---	**42.4**	**36 J**	**26 J**	**29 J**	1 U	U	0.20 UJ	0.40 U	**0.55**
Aroclor 1248	0.5	µg/L	---	**6.3**	0.20 UJ	0.40 UJ	< 0.20 U	---	**1.2**	0.20 U	0.40 UJ	< 0.20 U	---	UJ	1.0 UJ	0.40 UJ	< 1.0 UJ	---	U	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1254	0.5	µg/L	**0.5**	UJ	0.20 UJ	0.40 UJ	**1.2**	**0.87**	**0.99**	**0.92**	**1.6 J**	**0.93**	---	**2.2**	1.0 UJ	**1.1 J**	< 1.0 UJ	0.2 U	**0.072**	0.20 UJ	0.40 U	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	0.40 UJ	< 0.20 U	1 U	---	0.20 U	0.40 UJ	< 0.20 U	---	---	1.0 UJ	0.40 UJ	< 1.0 UJ	1 U	---	0.20 UJ	0.40 U	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Analyte	Project Action Limit (µg/L)	Units	Location ID	MW-08	MW-08	MW-08	MW-08	MW-08	MW-09	MW-09	MW-09	MW-09	MW-09	MW-10	MW-10	MW-10	MW-10	MW-10	MW-11	MW-11	MW-11	MW-11	MW-11
			Depth (ft)	42-57.5	42-57.5	42-57.5	42-57.5	42-57.5	29-54	29-54	29-54	29-54	29-54	37-52	37-52	37-52	37-52	37-52	34-59	34-59	34-59	34-59	34-59
			Event	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
			Sample Name	CDE-OU3-BLSR1-MW08-SH	CDE-OU3-BLSR2-MW08-SH	LTM01-MW08-SH-S18	LTM01-MW08-SH-F18	LTM03-MW08-SH-S19	CDE-OU3-BLSR1-MW09-SH	CDE-OU3-BLSR2-MW09-SH	LTM01-MW09-SH-S18	LTM01-MW09-SH-F18	LTM03-MW09-SH-S19	CDE-OU3-BLSR1-MW10-SH	CDE-OU3-BLSR2-MW10-SH	LTM01-MW10-SH-S18	LTM01-MW10-SH-F18	LTM03-MW10-SH-S19	CDE-OU3-BLSR1-MW11-SH	CDE-OU3-BLSR2-MW11-SH	LTM01-MW11-SH-S18	LTM01-MW11-SH-F18	LTM03-MW11-SH-S19
			Sample Date	12/22/2016	7/11/2017	3/28/2018	10/9/2018	6/10/2019	12/21/2016	7/11/2017	3/28/2018	10/9/2018	6/10/2019	12/21/2016	7/10/2017	3/28/2018	10/9/2018	6/10/2019	12/20/2016	7/11/2017	3/27/2018	10/9/2018	6/11/2019
Metals																							
Aluminum	50	µg/L		**160**	**230**	16 U	**13.9 J**	---	ND U	**33**	**70**	20.0 U	---	**1500**	**290**	**400**	**24.7**	---	**280**	**190**	**980**	**209**	---
Arsenic	3	µg/L		**1.6**	1 U	1.0 U	**0.98 J**	---	**1.7**	**1.6**	**1.7**	**1.8**	---	**2.3**	**2.1**	**2.1**	**2.7**	---	ND U	1 U	1.0 U	**0.82 J**	---
Barium	2000	µg/L		**140**	**920**	**770**	**890**	---	**39**	**36**	**36**	**53.8**	---	**400**	**450**	**430**	**418**	---	**670**	**1700**	**650**	**1980**	---
Cadmium	4	µg/L		ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	**2.2**	**1.1**	**1.4**	**0.34 J**	---
Chromium	70	µg/L		**2.8**	**25**	**4.2**	**2.7**	---	ND U	**2.5**	1.0 U	2.0 U	---	**26**	**21**	**16**	**10.8**	---	**22**	**7.2**	**9.2**	**6.6**	---
Iron	300	µg/L		**190**	**310**	**45**	**322**	---	ND U	**37**	**84**	**824**	---	**1900**	**330**	**430**	**136 J**	---	**1100**	**650**	**1700**	**1250**	---
Lead	5	µg/L		**1.4**	**2.2**	1.0 U	**0.13 J**	---	ND U	**2.2**	1.0 U	1.0 U	---	**1.5**	**1.8**	1.0 U	**0.11 J**	---	**1.6**	**1.4**	**2.1**	**0.82 J**	---
Manganese	50	µg/L		**100**	**24**	**16**	**19.2**	---	**65**	**110**	**40**	**55.3**	---	**220**	**47**	**53**	**44.3**	---	**280**	**960**	**520**	**1360**	---
Pesticides																							
4,4-DDD	0.1	µg/L		0.03 UJ	---	0.050 U	0.050 UJ	< 0.050 UJ	0.03 U	---	0.050 UJ	0.050 U	< 0.051 UJ	0.03 U	---	0.050 UJ	0.050 U	< 0.051 UJ	**0.046 NJ**	---	**0.13 NJ**	0.050 UJ	< 0.050 U
4,4-DDE	0.1	µg/L		0.03 UJ	---	0.050 U	0.050 UJ	< 0.050 UJ	0.03 U	---	0.050 UJ	**0.0014 J**	**0.0011 J**	0.03 U	---	0.050 UJ	0.050 U	< 0.051 UJ	**0.57 J**	---	**0.98 J**	**1.0 NJ**	**0.096 NJ**
4,4-DDT	0.1	µg/L		0.03 UJ	---	**0.0036 J**	**0.0096 J**	< 0.050 UJ	0.03 U	---	0.050 UJ	0.050 U	< 0.051 UJ	0.03 U	---	0.050 UJ	**0.0087 J**	< 0.051 UJ	R	---	**4.5 J**	**6.5 J**	**0.23**
Beta-BHC	0.04	µg/L		**0.039 NJ**	---	0.030 U	0.040 UJ	< 0.030 UJ	0.01 U	---	0.030 UJ	0.040 U	< 0.030 UJ	0.01 U	---	0.030 UJ	0.040 U	< 0.030 UJ	**1.3 NJ**	---	R	**3.5 J**	**2.2**
Dieldrin	0.03	µg/L		0.02 UJ	U	**0.028 J**	**0.024 J**	**0.023 J**	0.02 U	U	0.050 UJ	0.050 U	< 0.051 UJ	**0.0028 J**	U	0.050 UJ	0.050 U	< 0.051 UJ	**1.6 NJ**	U	**4.0 J**	**4.4 J**	< 0.050 U
Endosulfan II	40	µg/L		0.05 UJ	---	0.050 U	0.050 UJ	< 0.050 UJ	0.05 U	---	0.050 UJ	0.050 U	**0.013 J**	0.05 U	---	0.050 UJ	**0.013 J**	**0.0032 J**	0.05 U	---	0.050 UJ	0.050 UJ	< 0.050 U
Endosulfan sulfate	40	µg/L		0.05 UJ	---	0.050 U	0.050 UJ	< 0.050 UJ	0.05 U	---	0.050 UJ	0.050 U	< 0.051 UJ	**0.0026 J**	---	**0.0022 J**	**0.0016 J**	**0.0014 J**	0.05 U	---	0.050 UJ	**0.16 J**	< 0.050 U
Gamma-BHC Lindane	0.03	µg/L		**0.02 J**	U	**0.055 NJ**	R	**0.047 NJ**	**0.013 J**	U	0.030 UJ	0.020 U	< 0.030 UJ	0.01 U	U	0.030 UJ	0.020 U	< 0.030 UJ	**0.098 NJ**	U	**0.059 NJ**	R	**0.078 NJ**
gamma-Chlordane	0.5	µg/L		0.025 UJ	---	0.030 U	0.025 UJ	< 0.030 UJ	0.025 U	---	0.030 UJ	0.025 U	< 0.030 UJ	0.025 U	---	0.030 UJ	0.025 U	< 0.030 UJ	R	---	**1.4 J**	R	**0.10 NJ**
Heptachlor	0.05	µg/L		0.02 UJ	---	0.030 U	**0.17 NJ**	**0.17 NJ**	0.02 U	---	0.030 UJ	**0.017 J**	< 0.030 UJ	0.02 U	---	0.030 UJ	0.025 U	< 0.030 UJ	**0.2 NJ**	---	0.030 UJ	**0.89 NJ**	**0.32 NJ**
Heptachlor epoxide	0.2	µg/L		0.025 UJ	---	0.030 U	**0.040 J**	< 0.030 UJ	0.025 U	---	0.030 UJ	0.025 U	< 0.030 UJ	0.025 U	---	**0.0073 J**	0.025 U	< 0.030 UJ	0.025 U	---	R	**1.6 J**	< 0.030 U
Methoxychlor	40	µg/L		0.25 UJ	---	0.25 U	0.25 UJ	< 0.25 UJ	0.25 U	---	0.25 UJ	0.25 U	< 0.25 UJ	0.25 U	---	0.25 UJ	0.25 U	< 0.25 UJ	0.25 U	---	0.25 UJ	0.25 UJ	< 0.25 U
Volatile Organic Compounds																							
1,1,2-trichloroethane	3	µg/L		**10 J**	130 U	250 U	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	500 UJ	2,500 U	< 2500 U
1,1-dichloroethene	1	µg/L		50 U	130 U	250 U	100 U	< 100 U	5 U	5 U	**0.17 J**	0.50 U	**0.12 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	**130 J**	1300 U	500 UJ	2,500 U	< 2500 UJ
1,2,4-trichlorobenzene	9	µg/L		**50**	**220**	**220 J**	**210**	**170**	5 U	5 U	**1.1**	**1.1**	**1.2**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	**190 J**	2,500 U	**610 J**
1,2-dichloroethane	2	µg/L		50 U	130 U	250 U	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	500 UJ	2,500 U	< 2500 U
1,4-dichlorobenzene	75	µg/L		50 U	130 U	250 U	100 U	< 100 U	**37**	**29**	**51 J**	**44**	**39**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	500 UJ	2,500 U	< 2500 U
Benzene	1	µg/L		50 U	130 U	250 U	100 U	< 100 U	5 U	5 U	**0.35 J**	**0.27 J**	**0.32 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	500 UJ	2,500 U	< 2500 U
Bromodichloromethane	1	µg/L		50 U	130 U	250 U	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	500 UJ	2,500 U	< 2500 U
Chlorobenzene	50	µg/L		50 U	130 U	250 U	100 U	< 100 U	**50**	**39**	**74 J**	**57**	**62**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	500 UJ	2,500 U	< 2500 U
Chloroform	70	µg/L		50 U	130 U	250 U	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	500 UJ	2,500 U	< 2500 U
cis-1,2-dichloroethene	70	µg/L		**9100**	**6900**	**9,200**	**7600**	**8700**	**7.8**	**4.9 J**	**6.5**	**5.7**	**10**	5 U	5 U	**0.19 J**	0.50 U	**0.18 J**	**72000**	**140000**	**24,000 J**	**210000**	**400000 J-**
Methyl tert-butyl ether	70	µg/L		50 U	130 U	250 U	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	1300 U	500 UJ	2,500 U	< 2500 U
Methylene Chloride	3	µg/L		50 U	**28 J**	250 U	100 U	< 100 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	**240 J**	500 UJ	2,500 U	< 2500 U
Tetrachloroethene	1	µg/L		50 U	**5.7 J**	250 U	100 U	< 100 U	**130**	**55**	**64 J**	**55**	**40**	5 U	5 U	**0.20 J**	0.50 U	**0.15 J**	500 U	1300 U	500 UJ	2,500 U	< 2500 U
trans-1,2-dichloroethene	100	µg/L		**35 J**	**46 J**	250 U	**25 J**	**180**	5 U	**0.2 J**	**0.32 J**	**0.31 J**	**0.56**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	**290 J**	**580 J**	500 UJ	**770 J**	**1100 J-**
Trichloroethene	1	µg/L		**5100**	**14000**	**20,000**	**18000**	**17000**	**76**	**35**	**28 J**	**27**	**32**	**1 J**	**0.58 J**	**1.0**	**0.71**	**0.52**	**39000**	**43000**	**8500 J**	**68000**	**110000**
Vinyl chloride	1	µg/L		**110**	130 U	250 U	100 U	< 100 U	5 U	5 U	**0.27 J**	**0.21 J**	**0.24 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U	500 U	**530 J**	500 UJ	**700 J**	**800 J**
Polychlorinated Biphenyls																							
Aroclor 1221	N/A	µg/L		---	U	0.20 U	0.40 UJ	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 UJ	---	U	1.0 UJ	2.0 UJ	< 1.0 U
Aroclor 1232	N/A	µg/L		---	U	0.20 U	0.40 UJ	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 UJ	---	U	1.0 UJ	2.0 UJ	< 1.0 U
Aroclor 1242	N/A	µg/L		**1.2 J**	**10.9**	**15 J**	**7.9 J**	**8.5 J**	1 U	**0.73**	**1.0 J**	**0.71**	**0.46 J**	1 U	U	0.20 UJ	0.40 U	< 0.20 UJ	**21**	**28.9**	**20 J**	**97 J**	**20**
Aroclor 1248	0.5	µg/L		---	U	0.20 U	0.40 UJ	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 U	< 0.20 UJ	---	U	1.0 UJ	2.0 UJ	< 1.0 U
Aroclor 1254	0.5	µg/L		**0.25 J**	U	0.20 U	0.40 UJ	< 0.20 UJ	0.2 U	U	0.20 UJ	0.40 U	< 0.20 UJ	0.2 U	**0.046 J**	0.20 UJ	0.40 U	< 0.20 UJ	**29**	**22.2**	**62 J**	**95 J**	**8.4**
Aroclor 1260	N/A	µg/L		1 UJ	---	0.20 U	0.40 UJ	< 0.20 UJ	1 U	---	0.20 UJ	0.40 U	< 0.20 UJ	1 U	---	0.20 UJ	0.40 U	< 0.20 UJ	2 U	---	1.0 UJ	2.0 UJ	< 1.0 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Analyte	Project Action Limit (µg/L)	Units	Location ID	MW-12	MW-12	MW-12	MW-12	MW-12	MW-13-1	MW-13-1	MW-13-1	MW-13-1	MW-13-1	MW-13-2	MW-13-2	MW-13-2	MW-13-2	MW-13-2	MW-13-3	MW-13-3	MW-13-3	MW-13-3	MW-13-3
			Depth (ft)	35-60	35-60	35-60	35-60	35-60	18-28	18-28	18-28	18-28	18-28	35-45	35-45	35-45	35-45	35-45	63-73	63-73	63-73	63-73	63-73
			Event	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
			Sample Name	CDE-OU3-BLSR1-MW12-SH	CDE-OU3-BLSR2-MW12-SH	LTM01-MW12-SH-S18	LTM01-MW12-SH-F18	LTM03-MW12-SH-S19	CDE-OU3-BLSR1-MW13-1	CDE-OU3-BLSR2-MW13-1	LTM01-MW13-1-S18	LTM01-MW13-1-F18	LTM03-MW13-1-S19	CDE-OU3-BLSR1-MW13-2	CDE-OU3-BLSR2-MW13-2	LTM01-MW13-2-S18	LTM01-MW13-2-F18	LTM03-MW13-2-S19	CDE-OU3-BLSR1-MW13-3	CDE-OU3-BLSR2-MW13-3	LTM01-MW13-3-S18	LTM01-MW13-3-F18	LTM03-MW13-3-S19
			Sample Date	12/20/2016	7/11/2017	3/27/2018	10/9/2018	6/11/2019	06/01/2017	21/07/2017	5/1/2018	10/16/2018	6/5/2019	06/01/2017	21/07/2017	5/1/2018	10/16/2018	6/5/2019	06/01/2017	21/07/2017	5/1/2018	10/16/2018	6/5/2019
Metals																							
Aluminum	50	µg/L		**520**	**680**	**1300**	**4130**	**97.5**	**140**	**86**	**130**	--	---	**24**	16 U	15 U	--	---	**15**	16 U	15 U	--	< 20.0 U
Arsenic	3	µg/L		**1.1**	1 U	**1.2**	**15.3**	< 1.0 U	**4.7**	**4.0**	**4.2**	--	---	**7.7**	**4.4**	**4.0**	--	---	**3.3**	**3.5**	**3.2**	--	**3.5**
Barium	2000	µg/L		**630**	**620**	**540**	**813**	**436**	**400**	**550**	**430**	--	---	**500**	**760**	**660**	--	---	**260**	**280**	**270**	--	**241**
Cadmium	4	µg/L		ND U	1 U	1.0 U	**0.65 J**	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U
Chromium	70	µg/L		**1.8**	**1.8**	**3.1**	**176**	**5.7**	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 2.0 U
Iron	300	µg/L		**2200**	**1500**	**4700**	**32300**	**2210**	**43**	**59**	**24**	--	---	**38**	20 U	20 U	--	---	**23**	20 U	20 U	--	< 200 U
Lead	5	µg/L		**3.7**	**5.3**	**3.6**	**39.3**	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	**2.2**	--	---	**2.2**	**2.4**	**7.1**	--	**2.8**
Manganese	50	µg/L		**420**	**300**	**280**	**512**	**245**	**38**	**31**	**39**	--	---	**310**	**510**	**450**	--	---	**11**	**12**	**11**	--	**9.4**
Pesticides																							
4,4-DDD	0.1	µg/L		0.03 U	---	0.050 UJ	0.10 U	**0.0036 J**	0.03 U	---	--	--	---	**0.0021 J**	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L		**0.29 J**	---	**0.12 NJ**	**1.4 NJ**	**0.072 NJ**	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L		R	---	**0.096 J**	**1.5**	**0.070**	**0.0061 J**	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L		R	---	**1.2 J**	**2.4 J**	**0.57 J**	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L		**0.85 J**	U	**0.49 J**	**6.0**	**0.28 J**	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L		0.05 U	---	0.050 UJ	0.10 U	< 0.051 U	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L		0.05 U	---	0.050 UJ	0.10 U	**0.0012 J**	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L		**0.37 NJ**	U	R	R	R	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L		R	---	0.030 UJ	R	R	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L		**1.4 NJ**	---	0.030 UJ	**5.7 NJ**	< 0.031 U	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L		R	---	0.030 UJ	**6.6**	< 0.031 U	0.025 U	---	--	--	---	**0.0018 J**	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L		0.25 U	---	0.25 UJ	0.50 U	< 0.26 U	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																							
1,1,2-trichloroethane	3	µg/L		**28 J**	130 U	250 UJ	100 U	**19 J**	5 U	5 U	0.50 U	0.50 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L		100 U	130 U	250 UJ	100 U	**18 J**	**1.9 J**	5 U	**4.0**	**3.4**	**5.0**	5 U	5 U	**6.4 J+**	**6.7**	**2.4**	**12**	**9.9**	**8.9 J+**	**10**	**12 J+**
1,2,4-trichlorobenzene	9	µg/L		**1300**	**1400**	**1700 J**	**1500**	**1100**	5 U	5 U	0.50 U	0.50 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	**0.23 J**
1,2-dichloroethane	2	µg/L		100 U	130 U	250 UJ	100 U	< 50 U	5 U	5 U	0.50 U	0.50 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	**0.78 J**	**0.92**	**0.95**	**0.76**
1,4-dichlorobenzene	75	µg/L		**130**	**110 J**	**150 J**	**120**	**110**	5 U	5 U	0.50 U	0.50 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	**0.11 J**
Benzene	1	µg/L		100 U	130 U	250 UJ	100 U	< 50 U	5 U	5 U	**0.26 J**	**0.22 J**	< 2.5 U	5 U	5 U	**0.16 J**	**0.14 J**	**0.070 J**	5 U	5 U	0.50 U	0.50 U	**0.10 J**
Bromodichloromethane	1	µg/L		100 U	130 U	250 UJ	100 U	< 50 U	5 U	5 U	0.50 U	0.50 U	< 2.5 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L		100 U	**9.8 J**	250 UJ	100 U	< 50 U	5 U	5 U	0.50 U	0.50 U	< 2.5 U	5 U	5 U	**0.14 J**	**0.15 J**	**0.085 J**	5 U	5 U	**0.16 J**	**0.16 J**	**0.16 J**
Chloroform	70	µg/L		100 U	130 U	250 UJ	100 U	< 50 U	5 U	5 U	0.50 U	0.50 U	< 2.5 U	5 U	5 U	**0.18 J**	**0.19 J**	< 0.50 U	**1 J**	5 U	**0.76**	**0.86**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L		**14000**	**13000**	**13,000 J**	**12000**	**11000**	**43**	**67**	**98**	**83 J-**	**120**	**150**	**150**	**160**	**160 J-**	**140**	**240**	**210**	**200**	**240**	**250**
Methyl tert-butyl ether	70	µg/L		100 U	130 U	250 UJ	100 U	< 50 U	5 U	**1.9 J**	**2.5**	**2.3**	**2.1 J**	**2.4 J**	**2.9 J**	**3.3**	**3.7**	**1.9**	**7**	**5.3**	**5.7**	**5.9**	**4.4**
Methylene Chloride	3	µg/L		100 U	130 U	250 UJ	100 U	< 50 U	5 U	**3.4 J**	0.50 U	0.50 U	< 2.5 U	5 U	**0.49 J**	0.50 U	0.50 U	< 0.50 U	5 U	**0.23 J**	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L		100 U	**7.1 J**	250 UJ	100 U	**11 J**	5 U	5 U	0.50 U	0.50 U	**0.20 J**	5 U	**0.42 J**	**0.52**	**0.49 J**	**0.21 J**	**1.4 J**	**1.1 J**	**1.2**	**1.2**	**1.5**
trans-1,2-dichloroethene	100	µg/L		**52 J**	**50 J**	**58 J**	**66 J**	**77**	5 U	**0.21 J**	**0.62**	**0.43 J**	**0.40 J**	5 U	**0.47 J**	**0.73 J+**	**0.62**	**0.25 J**	5 U	**0.5 J**	**0.60 J+**	**0.62**	**0.63 J+**
Trichloroethene	1	µg/L		**12000**	**10000**	**11000 J**	**8300**	**8000**	**13**	**16**	**29**	**24**	**42**	**64**	**58**	**71**	**59**	**60**	**140**	**110**	**110**	**100**	**130**
Vinyl chloride	1	µg/L		100 U	**71 J**	**63 J**	**68 J**	**55**	5 U	5 U	**1.1**	**0.85**	< 2.5 U	5 U	**1.4 J**	**1.5**	**1.4**	**0.43 J**	**1.8 J**	**2.3 J**	**1.6**	**1.9**	**2.1**
Polychlorinated Biphenyls																							
Aroclor 1221	N/A	µg/L		---	UJ	2.0 UJ	4.0 U	< 1.0 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1232	N/A	µg/L		---	UJ	2.0 UJ	4.0 U	< 1.0 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1242	N/A	µg/L		**65**	**97**	**140 J**	**400**	**50**	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---
Aroclor 1248	0.5	µg/L		---	UJ	2.0 UJ	4.0 U	< 1.0 U	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1254	0.5	µg/L		**8.9**	**10.3**	2.0 UJ	**86**	< 1.0 U	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---
Aroclor 1260	N/A	µg/L		5 U	---	2.0 UJ	4.0 U	< 1.0 U	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Analyte	Project Action Limit (µg/L)	Units	Location ID	MW-13-4	MW-13-4	MW-13-4	MW-13-4	MW-13-4	MW-13-5	MW-13-5	MW-13-5	MW-13-5	MW-13-5	MW-13-6	MW-13-6	MW-13-6	MW-13-6	MW-13-6	MW-13-7	MW-13-7	MW-13-7	MW-13-7	MW-13-7
			Depth (ft)	95-105	95-105	95-105	95-105	95-105	115-125	115-125	115-125	115-125	115-125	150-160	150-160	150-160	150-160	150-160	230-240	230-240	230-240	230-240	230-240
			Event	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
			Sample Name	CDE-OU3-BLSR1-MW13-4	CDE-OU3-BLSR2-MW13-4	LTM01-MW13-4-S18	LTM01-MW13-4-F18	LTM03-MW13-4-S19	CDE-OU3-BLSR1-MW13-5	CDE-OU3-BLSR2-MW13-5	LTM01-MW13-5-S18	LTM01-MW13-5-F18	LTM03-MW13-5-S19	CDE-OU3-BLSR1-MW13-6	CDE-OU3-BLSR2-MW13-6	LTM01-MW13-6-S18	LTM01-MW13-6-F18	LTM03-MW13-6-S19	CDE-OU3-BLSR1-MW13-7	CDE-OU3-BLSR2-MW13-7	LTM01-MW13-7-S18	LTM01-MW13-7-F18	LTM03-MW13-7-S19
			Sample Date	06/01/2017	21/07/2017	5/1/2018	10/16/2018	6/5/2019	06/01/2017	21/07/2017	5/1/2018	10/16/2018	6/5/2019	06/01/2017	21/07/2017	5/1/2018	10/16/2018	6/5/2019	06/01/2017	21/07/2017	5/1/2018	10/16/2018	6/5/2019
Metals																							
Aluminum	50	µg/L		ND U	16 U	15 U	--	< 20.0 U	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---	**15**	**28**	**42**	--	---
Arsenic	3	µg/L		**2.4**	**2.5**	**2.5**	--	**2.7**	**2.5**	**2.5**	**2.3**	--	---	**3.6**	**3.2**	**3.0**	--	---	**3.3**	**3.1**	**2.8**	--	---
Barium	2000	µg/L		**170**	**160**	**160**	--	**143**	**220**	**220**	**220**	--	---	**230**	**230**	**230**	--	---	**160**	**150**	**150**	--	---
Cadmium	4	µg/L		ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L		ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L		ND U	**21**	20 U	--	< 200 U	ND U	20 U	20 U	--	---	**20**	20 U	20 U	--	---	**30**	**33**	**50**	--	---
Lead	5	µg/L		ND U	**7.5**	**9.4**	--	**4.4**	**1.2**	**4.5**	**1.1**	--	---	ND U	**1.1**	**2.0**	--	---	ND U	**1.3**	**3.3**	--	---
Manganese	50	µg/L		**6**	**7**	**7.4**	--	**7.3**	**4**	**4**	**3.4**	--	---	**7**	**7**	**6.8**	--	---	**47**	**60**	**62**	--	---
Pesticides																							
4,4-DDD	0.1	µg/L		0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L		0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L		0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L		**0.0018 J**	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L		0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L		0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L		0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L		0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L		0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L		0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L		0.025 U	---	--	--	---	**0.0017 J**	---	--	--	---	0.025 U	---	--	--	---	**0.003 J**	---	--	--	---
Methoxychlor	40	µg/L		0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																							
1,1,2-trichloroethane	3	µg/L		5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L		**11**	**10**	**9.6 J+**	**11**	**13 J+**	**14**	**12**	**9.5 J+**	**11**	**5.4**	**14**	**11**	**11 J+**	**11 J+**	**12 J+**	**6.5**	5 U	**4.5**	**5.4**	**5.2**
1,2,4-trichlorobenzene	9	µg/L		5 U	5 U	**0.30 J**	0.50 U	**0.35 J**	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L		5 U	**0.82 J**	**0.93**	0.50 U	**0.87**	5 U	**0.97 J**	**1.1**	2.5 U	**0.80**	5 U	**0.94 J**	**1.2**	**1.2**	**1.1**	5 U	5 U	0.50 U	0.50 U	**0.37 J**
1,4-dichlorobenzene	75	µg/L		5 U	5 U	0.50 U	0.50 U	**0.11 J**	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	**0.066 J**	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L		5 U	5 U	0.50 U	0.50 U	**0.085 J**	5 U	5 U	0.50 U	2.5 U	**0.074 J**	5 U	5 U	0.50 U	**0.14 J**	**0.11 J**	5 U	5 U	**0.24 J**	**0.19 J**	**0.19 J**
Bromodichloromethane	1	µg/L		5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	2.5 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L		5 U	5 U	0.50 U	**0.13 J**	**0.11 J**	5 U	5 U	**0.12 J**	2.5 U	**0.089 J**	5 U	**0.22 J**	**0.24 J**	**0.26 J**	**0.25 J**	5 U	5 U	**0.13 J**	**0.16 J**	**0.14 J**
Chloroform	70	µg/L		**1.1 J**	5 U	**0.93**	**1.1**	< 0.50 U	**1.1 J**	5 U	**0.78**	**1.3 J**	< 0.50 U	**0.88 J**	5 U	**0.69**	**0.82**	< 0.50 U	5 U	5 U	**0.25 J**	**0.26 J**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L		**230**	**200**	**200**	**250**	**250**	**220**	**140**	**160**	**250**	**200**	**160**	**140**	**140**	**140**	**88**	**86**	**63**	**67**	**75**	**61**
Methyl tert-butyl ether	70	µg/L		**7.4**	**5.6**	**6.1**	**6.3**	**4.7**	**6.8**	**5.7**	**5.5**	**6.8**	**5.1**	**8.5**	**7.6**	**9.0**	**8.7**	**6.3**	**10**	**8.1**	**9.3**	**11**	**6.4**
Methylene Chloride	3	µg/L		5 U	**0.24 J**	0.50 U	0.50 U	< 0.50 U	5 U	**0.24 J**	0.50 U	2.5 U	< 0.50 U	5 U	**0.23 J**	0.50 U	0.50 U	< 0.50 U	5 U	**0.41 J**	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L		**1.6 J**	**1.3 J**	**1.3**	**1.3**	**1.7**	**1.6 J**	**1.2 J**	**1.2**	**1.2 J**	**0.69**	**1.8 J**	**1.4 J**	**1.5**	**1.5**	**1.6**	5 U	**0.65 J**	**0.61**	**0.84**	**0.77**
trans-1,2-dichloroethene	100	µg/L		5 U	**0.43 J**	**0.42 J+**	**0.49 J**	**0.56 J+**	5 U	**0.36 J**	**0.42 J+**	2.5 U	**0.46 J**	5 U	**0.27 J**	**0.42 J+**	**0.35 J+**	**0.38 J+**	5 U	5 U	**0.51**	**0.41 J**	**0.46 J**
Trichloroethene	1	µg/L		**130**	**110**	**120**	**120**	**140**	**150**	**120**	**100**	**130**	**120**	**150**	**110**	**120**	**110**	**66**	**83**	**56**	**54**	**57**	**56**
Vinyl chloride	1	µg/L		**1.6 J**	**2.3 J**	**1.7**	**2.0**	**2.1**	**2.5 J**	**3.4 J**	**2.1**	**3.3**	**1.3**	**0.94 J**	**1.5 J**	**1.4**	**1.2**	**1.1**	5 U	5 U	**0.40 J**	**0.43 J**	**0.38 J**
Polychlorinated Biphenyls																							
Aroclor 1221	N/A	µg/L		---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1232	N/A	µg/L		---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1242	N/A	µg/L		1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---
Aroclor 1248	0.5	µg/L		---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1254	0.5	µg/L		0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---
Aroclor 1260	N/A	µg/L		1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Analyte	Project Action Limit (µg/L)	Units	MW-14D-1	MW-14D-1	MW-14D-1	MW-14D-1	MW-14D-1	MW-14D-2	MW-14D-2	MW-14D-2	MW-14D-2	MW-14D-2	MW-14D-3	MW-14D-3	MW-14D-3	MW-14D-3	MW-14D-3	MW-14S-1	MW-14S-1	MW-14S-1	MW-14S-1
Location ID																					
Depth (ft)			80-85	80-85	80-85	80-85	80-85	123-133	123-133	123-133	123-133	123-133	199-209	199-209	199-209	199-209	199-209	30-35	30-35	30-35	30-35
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2
Sample Name			CDE-OU3-BLSR1-MW14D-1	CDE-OU3-BLSR2-MW14D-1	LTM01-MW14D-1-S18	LTM01-MW14D-1-F18	LTM03-MW14D-1-S19	CDE-OU3-BLSR1-MW14D-2	CDE-OU3-BLSR2-MW14D-2	LTM01-MW14D-2-S18	LTM01-MW14D-2-F18	LTM03-MW14D-2-S19	CDE-OU3-BLSR1-MW14D-3	CDE-OU3-BLSR2-MW14D-3	LTM01-MW14D-3-S18	LTM01-MW14D-3-F18	LTM03-MW14D-3-S19	Not Sampled	CDE-OU3-BLSR2-MW14S-1	LTM01-MW14S-1-S18	LTM01-MW14S-1-F18
Sample Date			12/27/2016	25/07/2017	4/23/2018	10/10/2018	6/12/2019	12/27/2016	25/07/2017	4/23/2018	10/10/2018	6/12/2019	12/27/2016	25/07/2017	4/23/2018	10/10/2018	6/12/2019	---	25/07/2017	4/24/2018	10/10/2018
																		4	4	4	4
Metals																					
Aluminum	50	µg/L	**25**	**25**	**17**	**33.6**	---	ND U	16 U	16 U	20.0 U	---	ND U	16 U	16 U	20.0 U	---	---	**87**	**57**	**709**
Arsenic	3	µg/L	**3.8**	**4.6**	**4.6**	**5.9**	---	**3.5**	**3.4**	**3.5**	**4.8**	---	**2.4**	**2.5**	**2.5**	**3.3**	---	---	**1.6**	**1.2**	**3.9**
Barium	2000	µg/L	**290**	**280**	**250**	**244**	---	**83**	**68**	**65**	**71.2**	---	**60**	**51**	**48**	**53**	---	---	**1,300**	**1,300**	**1930**
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	---	1 U	1.0 U	**0.17 J**
Chromium	70	µg/L	ND U	1 U	1.0 U	2.0 U	---	ND U	1 U	1.0 U	**8.1**	---	ND U	1 U	1.0 U	2.0 U	---	---	1 U	1.0 U	2.0 U
Iron	300	µg/L	**390**	**170**	**140**	**375**	---	**29**	20 U	20 U	200 U	---	ND U	20 U	20 U	200 U	---	---	**100**	**74**	**927**
Lead	5	µg/L	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	**1.0**	1.0 U	---	**2.0**	**1**	**1.8**	**1.3**	---	---	**4.6**	1.0 U	**13.8**
Manganese	50	µg/L	**400**	**340**	**300**	**297**	---	**50**	**42**	**40**	**42.9**	---	**9**	**6**	**11**	**16.5**	---	---	**470**	**430**	**542**
Pesticides																					
4,4-DDD	0.1	µg/L	**0.18 NJ**	---	0.050 UJ	**0.050 NJ**	< 0.050 UJ	**R**	---	0.050 UJ	0.050 UJ	< 0.050 UJ	**0.62 NJ**	---	0.050 UJ	0.050 U	< 0.050 UJ	---	---	**0.65 NJ**	**6.4 NJ**
4,4-DDE	0.1	µg/L	**1.7 J**	---	**0.55 NJ**	**0.30 NJ**	**0.26 JN**	**0.29 NJ**	---	0.050 UJ	**0.13 NJ**	**0.41 JN**	**5 NJ**	---	0.050 UJ	**0.23 NJ**	**0.14 JN**	---	---	**4.3 NJ**	**46 NJ**
4,4-DDT	0.1	µg/L	**5.7 NJ**	---	**2.2 J**	**1.6 J**	**0.79 J**	**1 NJ**	---	**0.16 J**	**0.37 J**	**1.7 J**	**19 NJ**	---	**0.68 J**	**1.1**	**0.31 J**	---	---	**20 J**	**290 J**
Beta-BHC	0.04	µg/L	R	---	R	0.040 UJ	R	R	---	**0.026 J**	0.040 UJ	R	R	---	R	0.040 U	R	---	---	**4.6 J**	**34 J**
Dieldrin	0.03	µg/L	**4.9 J**	U	**2.1 J**	**1.3 J**	**1.0 J**	**1**	U	**0.39 J**	**0.53 J**	**1.8 J**	**16 J**	U	**0.99 J**	**0.94**	**0.51 J**	---	U	**17 J**	**190 J**
Endosulfan II	40	µg/L	R	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.05 U	---	0.050 UJ	0.050 UJ	< 0.050 UJ	0.25 U	---	0.050 UJ	0.050 U	< 0.050 UJ	---	---	0.25 UJ	2.5 UJ
Endosulfan sulfate	40	µg/L	0.05 U	---	0.050 UJ	**0.063 J**	< 0.050 UJ	**0.056 J**	---	**0.0087 J**	0.050 UJ	**0.051 JN**	0.25 U	---	0.050 UJ	**0.045 J**	< 0.050 UJ	---	---	0.25 UJ	**8.8 J**
Gamma-BHC Lindane	0.03	µg/L	R	U	R	R	R	R	U	**0.31 J**	R	R	**1.4 NJ**	U	R	R	R	---	U	R	R
gamma-Chlordane	0.5	µg/L	**1.6 NJ**	---	**0.63 NJ**	**0.34 J**	**0.24 JN**	**0.29 NJ**	---	R	**0.14 J**	**0.50 JN**	**5.3 NJ**	---	**0.22 NJ**	**0.25**	R	---	---	**5.8 NJ**	R
Heptachlor	0.05	µg/L	0.02 U	---	0.030 UJ	0.025 UJ	< 0.030 UJ	0.02 U	---	**0.0099 J**	0.025 UJ	< 0.030 UJ	0.1 U	---	0.030 UJ	0.025 U	< 0.030 UJ	---	---	0.15 UJ	**24 NJ**
Heptachlor epoxide	0.2	µg/L	R	---	R	R	R	R	---	**0.025 J**	0.025 UJ	R	R	---	R	R	< 0.030 UJ	---	---	R	**74 J**
Methoxychlor	40	µg/L	0.25 U	---	0.25 UJ	**0.076 J**	< 0.25 UJ	0.25 U	---	0.25 UJ	0.25 UJ	< 0.25 UJ	1.3 U	---	0.25 UJ	**0.061 J**	< 0.25 UJ	---	---	1.3 UJ	13 UJ
Volatile Organic Compounds																					
1,1,2-trichloroethane	3	µg/L	5 U	10 U	5.0 UJ	5.0 R	< 5.0 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	---	2,500 U	2,500 UJ	**1,000 R**
1,1-dichloroethene	1	µg/L	**2.3 J**	**2.7 J**	**2.2 J**	5.0 R	**1.5 J**	**1.9 J**	**1.7 J**	**0.88 J**	**0.89 J**	**0.76**	**1.9 J**	**1.6 J**	**1.1 J**	2.5 R	**0.62**	---	2,500 U	2,500 UJ	**1,000 R**
1,2,4-trichlorobenzene	9	µg/L	**72**	**64**	**62 J**	**29 J-**	**32**	**110**	**120**	**110 J**	**91 J**	**83**	**51**	**54**	**41 J**	**23 J**	**31**	---	2,500 U	2,500 UJ	**1,000 R**
1,2-dichloroethane	2	µg/L	5 U	10 U	5.0 UJ	5.0 R	< 5.0 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	---	2,500 U	2,500 UJ	**1,000 R**
1,4-dichlorobenzene	75	µg/L	**130**	**120**	**97 J**	**78 J-**	**77**	**150**	**130**	**130 J**	**97 J**	**87**	**51**	**43**	**35 J**	**19 J**	**26**	---	2,500 U	2,500 UJ	**1,000 R**
Benzene	1	µg/L	5 U	**2.4 J**	**1.9 J**	5.0 UJ	**2.6 J**	5 U	**2.5 J**	**2.7 J**	2.5 UJ	**3.1**	5 U	**1.6 J**	**1.8 J**	2.5 UJ	**1.7**	---	2,500 U	2,500 UJ	**1,000 R**
Bromodichloromethane	1	µg/L	5 U	10 U	5.0 UJ	5.0 R	< 5.0 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	---	2,500 U	2,500 UJ	**1,000 R**
Chlorobenzene	50	µg/L	**290**	**370**	**470 J**	**420 J**	**550**	**390**	**500**	**590 J**	**580 J**	**460 J**	**240**	**340 J**	**450 J**	**290 J**	**440**	---	**130 J**	2,500 UJ	**1,000 R**
Chloroform	70	µg/L	5 U	10 U	5.0 UJ	5.0 R	< 5.0 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	---	2,500 U	2,500 UJ	**1,000 R**
cis-1,2-dichloroethene	70	µg/L	**1000**	**860**	**1,300 J**	**360 J-**	**790**	**110**	**49**	**37 J**	**30 J**	**22**	**44**	**27**	**24 J**	**15 J**	**24 J**	---	**170,000**	**180,000 J**	**120,000 J**
Methyl tert-butyl ether	70	µg/L	5 U	10 U	5.0 UJ	5.0 R	< 5.0 U	**1.5 J**	**1.2 J**	2.5 UJ	2.5 R	**1.1**	5 U	**0.61 J**	2.5 UJ	2.5 R	**0.56**	---	2,500 U	2,500 UJ	**1,000 R**
Methylene Chloride	3	µg/L	5 U	10 U	5.0 UJ	5.0 R	< 5.0 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	5 U	5 U	2.5 UJ	2.5 R	< 0.50 U	---	2,500 U	2,500 UJ	**1,000 R**
Tetrachloroethene	1	µg/L	5 U	**0.54 J**	5.0 UJ	5.0 R	< 5.0 U	5 U	**2 J**	**1.1 J**	**0.94 J**	**1.4**	5 U	5 U	2.5 UJ	2.5 R	**0.17 J**	---	2,500 U	2,500 UJ	**1,000 R**
trans-1,2-dichloroethene	100	µg/L	**4.4 J**	**3.4 J**	**4.9 J**	**1.2 J-**	**15**	5 U	**0.26 J**	2.5 UJ	2.5 R	**0.41 J**	5 U	5 U	2.5 UJ	2.5 R	**0.34 J**	---	**520 J**	**580 J**	**390 J**
Trichloroethene	1	µg/L	**270**	**110**	**82 J**	**37 J**	**66**	**29**	**27**	**17 J**	**15 J**	**18**	**27**	**18 J**	2.5 UJ	**6.4 J**	**9.1**	---	**26,000**	**18000 J**	**15,000 J**
Vinyl chloride	1	µg/L	**61**	**99**	**83 J**	**27 J**	**49**	**11**	**10**	**6.5 J**	**1.9 J**	**1.3**	5 U	**0.8 J**	2.5 UJ	2.5 R	< 0.50 U	---	**2,600**	**3500 J**	**7,800 J**
Polychlorinated Biphenyls																					
Aroclor 1221	N/A	µg/L	---	U	1.0 UJ	0.40 UJ	< 2.0 UJ	---	U	2.0 UJ	0.80 UJ	< 2.0 UJ	---	U	1.0 UJ	0.80 UJ	< 2.0 UJ	---	UJ	20 UJ	40 UJ
Aroclor 1232	N/A	µg/L	---	U	1.0 UJ	0.40 UJ	< 2.0 UJ	---	U	2.0 UJ	0.80 UJ	< 2.0 UJ	---	U	1.0 UJ	0.80 UJ	< 2.0 UJ	---	UJ	20 UJ	40 UJ
Aroclor 1242	N/A	µg/L	**61**	**241**	**53 J**	**67 J**	**92 J**	**1700**	**268 J**	**62 J**	**77 J**	**77 J**	**75**	**141**	**53 J**	**79**	**79 J**	---	**500**	**1,200 J**	**3,600 J**
Aroclor 1248	0.5	µg/L	---	U	1.0 UJ	0.40 UJ	< 2.0 UJ	---	U	2.0 UJ	0.80 UJ	< 2.0 UJ	---	U	1.0 UJ	0.80 UJ	< 2.0 UJ	---	UJ	20 UJ	40 UJ
Aroclor 1254	0.5	µg/L	**15**	**127 J-**	**9.5 J+**	**23 J**	**30 J**	**850**	**103 J**	2.0 UJ	**8.8 J-**	**11 J**	**8.9**	**48.9 J-**	**5.4 J+**	**18**	**13 J**	---	**934**	**1,600 J**	**4,600 J**
Aroclor 1260	N/A	µg/L	5 U	---	1.0 UJ	0.40 UJ	< 2.0 UJ	100 U	---	2.0 UJ	0.80 UJ	< 2.0 UJ	5 U	---	1.0 UJ	0.80 UJ	< 2.0 UJ	---	---	20 UJ	40 UJ

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Analyte	Project Action Limit (µg/L)	Units	Location ID	MW-14S-2	MW-14S-2	MW-14S-2	MW-14S-2	MW-14S-2	MW-14S-3	MW-14S-3	MW-14S-3	MW-14S-3	MW-14S-3	MW14S-4	MW14S-4	MW14S-4	MW14S-4	MW-15D-1	MW-15D-1	MW-15D-1	MW-15D-1	MW-15D-1
			Depth (ft)	41-46	41-46	41-46	41-46	41-46	55-60	55-60	55-60	55-60	55-60	59-64	59-64	65-70	65-70	125-135	125-135	125-135	125-135	125-135
			Event	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
			Sample Name	CDE-OU3-BLSR1-MW14S-2	CDE-OU3-BLSR2-MW14S-2	LTM01-MW14S-2-S18	LTM01-MW14S-2-F18	LTM03-MW14S-2-S19	CDE-OU3-BLSR1-MW14S-3	CDE-OU3-BLSR2-MW14S-3	LTM01-MW14S-3-S18	LTM01-MW14S-3-F18	LTM03-MW14S-3-S19	Not Sampled	Not Sampled	LTM01-MW14S-4-S18	Not Sampled	CDE-OU3-BLSR1-MW15D-1	CDE-OU3-BLSR2-MW15D-1	LTM01-MW15D-1-S18	LTM01-MW15D-1-F18	LTM03-MW15D-1-S19
			Sample Date	12/27/2016	25/07/2017	4/24/2018	10/10/2018	6/12/2019	12/27/2016	25/07/2017	4/24/2018	10/10/2018	6/12/2019	---	---	24/04/2018	---	03/01/2017	20/07/2017	4/12/2018	10/10/2018	6/10/2019
Metals																						
Aluminum	50	µg/L		ND U	16 U	16 U	20.0 U	**24.1**	**46**	16 U	**23**	20.0 U	< 20.0 U	---	---	**23**	---	ND U	16 U	16 U	**10.5 J**	< 20.0 U
Arsenic	3	µg/L		**1.3**	**1.4**	**1.5**	**1.7**	**1.3**	**1.8**	**1.9**	**1.7**	**2**	**1.6**	---	---	**13**	---	**2.7**	**3.1**	**2.5**	**3.3**	**2.8**
Barium	2000	µg/L		**1200**	**1100**	**1100**	**1210**	**1100**	**700**	**880**	**900**	**982**	**822**	---	---	**940**	---	**74**	**69**	**61**	**93.3**	**63.9**
Cadmium	4	µg/L		ND U	1 U	1.0 U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	1.0 U	< 1.0 U	---	---	1.0 U	---	ND U	1 U	1.0 U	1.0 U	< 1.0 U
Chromium	70	µg/L		ND U	1 U	1.0 U	2.0 U	< 2.0 U	ND U	1 U	1.0 U	2.0 U	**0.040 J**	---	---	**1.1**	---	ND U	1 U	1.0 U	**0.45 J**	**1.3 J**
Iron	300	µg/L		ND U	**25**	**98**	**221**	**393**	**54**	**22**	**31**	**222**	**413**	---	---	**520**	---	ND U	20 U	20 U	**102 J**	< 200 U
Lead	5	µg/L		**2.1**	**12**	**3.5**	**4**	**2.5**	**2.7**	**7.3**	**8.5**	**3.9**	**1.7**	---	---	**3.1**	---	ND U	1 U	**1.9**	**1**	**1.3**
Manganese	50	µg/L		**550**	**570**	**520**	**527**	**523**	**730**	**730**	**750**	**710**	**776**	---	---	**890**	---	**5**	**5**	**4.2**	**5**	**0.94 J**
Pesticides																						
4,4-DDD	0.1	µg/L		**0.076 NJ**	---	**1.1 J**	**0.64 NJ**	**0.21 JN**	0.03 U	---	**0.10 NJ**	0.050 U	< 0.050 U	---	---	**340 NJ**	---	0.03 U	---	0.050 UJ	0.050 UJ	< 0.052 UJ
4,4-DDE	0.1	µg/L		**0.69 NJ**	---	**6.4 NJ**	**4.5 NJ**	**1.5 JN**	**0.12 J**	---	**0.68 NJ**	**0.097 NJ**	**0.084 JN**	---	---	**2,200 NJ**	---	0.03 U	---	0.050 UJ	0.050 UJ	< 0.052 UJ
4,4-DDT	0.1	µg/L		**2.9 NJ**	---	**38 J**	**32 J**	**8.1**	R	---	**3.4 J**	**0.50**	**0.27**	---	---	**10,000 J**	---	0.03 U	---	0.050 UJ	0.050 UJ	< 0.052 UJ
Beta-BHC	0.04	µg/L		**1.4 NJ**	---	**6.0 J**	**3.3 J**	**2.3 J**	**0.86 NJ**	---	**1.5 J**	**0.69 J**	**0.95**	---	---	**1,300 J**	---	0.01 U	---	0.030 UJ	**0.011 J**	< 0.031 UJ
Dieldrin	0.03	µg/L		**2.5 J**	U	**29 J**	**18 J**	**6.1**	**0.32 NJ**	U	**3.0 J**	**0.42**	**0.33**	---	---	**8,700 J**	---	0.02 U	U	0.050 UJ	0.050 UJ	< 0.052 UJ
Endosulfan II	40	µg/L		0.05 U	---	0.50 UJ	0.25 UJ	< 0.10 U	0.05 U	---	0.050 UJ	0.050 U	< 0.050 U	---	---	250 UJ	---	0.05 U	---	0.050 UJ	0.050 UJ	< 0.052 UJ
Endosulfan sulfate	40	µg/L		0.05 U	---	0.50 UJ	**1.0 J**	< 0.10 U	0.05 U	---	0.050 UJ	0.050 U	< 0.050 U	---	---	250 UJ	---	0.05 U	---	0.050 UJ	0.050 UJ	< 0.052 UJ
Gamma-BHC Lindane	0.03	µg/L		**0.098 NJ**	U	R	0.10 UJ	R	R	U	R	R	R	---	---	150 UJ	---	0.01 U	U	0.030 UJ	**0.39 NJ**	< 0.031 UJ
gamma-Chlordane	0.5	µg/L		**0.89 NJ**	---	**11 NJ**	R	**2.5 JN**	R	---	**0.97 J**	R	**0.096 JN**	---	---	**3,200 J**	---	0.025 U	---	0.030 UJ	0.025 UJ	< 0.031 UJ
Heptachlor	0.05	µg/L		0.02 U	---	0.30 UJ	**1.7 NJ**	< 0.060 U	0.02 U	---	0.030 UJ	0.025 U	< 0.030 U	---	---	150 UJ	---	0.02 U	---	**0.0031 J**	**0.0052 J**	**0.0031 J**
Heptachlor epoxide	0.2	µg/L		0.025 U	---	0.30 UJ	**6.7 J**	R	0.025 U	---	R	0.025 U	< 0.030 U	---	---	150 UJ	---	0.025 U	---	0.030 UJ	0.025 UJ	< 0.031 UJ
Methoxychlor	40	µg/L		0.25 U	---	2.5 UJ	1.3 UJ	< 0.50 U	0.25 U	---	0.25 UJ	0.25 U	< 0.25 U	---	---	1,300 UJ	---	0.25 UJ	---	0.25 UJ	0.25 UJ	< 0.26 UJ
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L		2,500 U	**77 J**	2,500 UJ	**1,000 R**	< 1000 U	500 U	**47 J**	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	5 U	5 U	0.50 R	0.50 R	< 0.50 U
1,1-dichloroethene	1	µg/L		2,500 U	**460 J**	2,500 UJ	**1,000 R**	**270 J-**	500 U	**260 J**	2,500 UJ	**1,000 R**	**190 J**	---	---	--	---	5 U	5 U	0.50 R	0.50 R	**0.12 J**
1,2,4-trichlorobenzene	9	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	**380 J**	**230 J**	1,300 U	2,500 UJ	**1,000 R**	**210 J**	---	---	--	---	5 U	5 U	0.50 R	0.50 R	< 0.50 U
1,2-dichloroethane	2	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	5 U	5 U	0.50 R	0.50 R	< 0.50 U
1,4-dichlorobenzene	75	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	**89 J**	---	---	--	---	5 U	5 U	0.50 R	0.50 R	< 0.50 U
Benzene	1	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	5 U	5 U	0.50 R	0.50 R	< 0.50 U
Bromodichloromethane	1	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	5 U	5 U	0.50 R	0.50 R	< 0.50 U
Chlorobenzene	50	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	5 U	5 U	0.50 R	0.50 R	**0.11 J**
Chloroform	70	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	5 U	5 U	**0.18 J**	0.50 R	**0.17 J**
cis-1,2-dichloroethene	70	µg/L		**200000**	**150000**	**120,000 J**	**160,000 J**	**260000 J-**	**120000**	**100000**	**110,000 J**	**130,000 J**	**91000**	---	---	--	---	**7.8**	**6.5**	**7.0 J**	**5.9 J**	**6.3**
Methyl tert-butyl ether	70	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	5 U	5 U	0.50 R	0.50 R	< 0.50 U
Methylene Chloride	3	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	5 U	**0.43 J**	0.50 R	0.50 R	< 0.50 U
Tetrachloroethene	1	µg/L		2,500 U	2,500 U	2,500 UJ	**1,000 R**	< 1000 U	500 U	1,300 U	2,500 UJ	**1,000 R**	< 500 U	---	---	--	---	**3.3 J**	**1.9 J**	**2.1 J**	**2.1 J**	**1.8**
trans-1,2-dichloroethene	100	µg/L		**850 J**	**510 J**	2,500 UJ	**650 J**	**1200 J-**	**480 J**	**310 J**	2,500 UJ	**430 J**	**580**	---	---	--	---	5 U	5 U	0.50 R	0.50 R	**0.24 J**
Trichloroethene	1	µg/L		**200000**	**120000**	**100000 J**	**150,000 J**	**190000**	**86000**	**54000**	**77000 J**	**91,000 J**	**41000**	---	---	--	---	**2.7 J**	**2 J**	**2.3 J**	**1.8 J**	**1.9**
Vinyl chloride	1	µg/L		**970 J**	**760 J**	2,500 UJ	**1,300 J**	**910 J**	**470 J**	**500 J**	2,500 UJ	**1,000 J**	**570**	---	---	--	---	5 U	5 U	0.50 R	0.50 R	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L		---	U	20 UJ	20 UJ	< 2.0 U	---	U	1.0 UJ	0.40 U	< 0.20 U	---	---	2,000 UJ	---	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ
Aroclor 1232	N/A	µg/L		---	U	20 UJ	20 UJ	< 2.0 U	---	U	1.0 UJ	0.40 U	< 0.20 U	---	---	2,000 UJ	---	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ
Aroclor 1242	N/A	µg/L		**32**	**63.2 J**	**310 J**	**290 J**	**77**	**15**	**18.4 J**	**62 J**	**15**	**18**	---	---	**56000 J**	---	1 U	U	0.20 UJ	0.40 UJ	< 0.20 UJ
Aroclor 1248	0.5	µg/L		---	U	20 UJ	20 UJ	< 2.0 U	---	U	1.0 UJ	0.40 U	< 0.20 U	---	---	2,000 UJ	---	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ
Aroclor 1254	0.5	µg/L		**36**	**95.8 J-**	**520 J**	**380 J**	**96**	**6.9**	**6.5 J-**	**74 J**		**9.8**	---	---	**79,000 J**	---	0.2 U	U	0.20 UJ	0.40 UJ	< 0.20 UJ
Aroclor 1260	N/A	µg/L		2 U	---	20 UJ	20 UJ	< 2.0 U	1 U	---	1.0 UJ		< 0.20 U	---	---	2,000 UJ	---	1 U	---	0.20 UJ	0.40 UJ	< 0.20 UJ

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
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J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-15D-2	MW-15D-2	MW-15D-2	MW-15D-2	MW-15D-2	MW-15S-1	MW-15S-1	MW-15S-1	MW-15S-1	MW-15S-1	MW-15S-2	MW-15S-2	MW-15S-2	MW-15S-2	MW-15S-2	MW-16-1	MW-16-1	MW-16-1	MW-16-1	MW-16-1
Depth (ft)			185-195	185-195	185-195	185-195	185-195	30-40	30-40	30-40	30-40	30-40	70-80	70-80	70-80	70-80	70-80	20-30	20-30	20-3-	20-30	20-30
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW15D-2	CDE-OU3-BLSR2-MW15D-2	LTM01-MW15D-2-S18	LTM01-MW15D-2-F18	LTM03-MW15D-2-S19	CDE-OU3-BLSR1-MW15S-1	CDE-OU3-BLSR2-MW15S-1	LTM01-MW15S-1-S18	LTM01-MW15S-1-F18	LTM03-MW15S-1-S19	CDE-OU3-BLSR1-MW15S-2	CDE-OU3-BLSR2-MW15S-2	LTM01-MW15S-2-S18	LTM01-MW15S-2-F18	LTM03-MW15S-2-S19	CDE-OU3-BLSR1-MW-16-1	CDE-OU3-BLSR2-MW16-1	LTM01-MW16-1-S18	LTM01-MW16-1-F18	LTM03-MW16-1-S19
Sample Date			03/01/2017	20/07/2017	4/12/2018	10/10/2018	6/10/2019	12/22/2016	20/07/2017	4/12/2018	10/10/2018	6/10/2019	12/22/2016	20/07/2017	4/12/2018	10/10/2018	6/10/2019	12/28/2016	19/07/2017	4/5/2018	10/15/2018	6/11/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	**11.2 J**	< 20.0 U	ND U	16 U	16 U	**24.7**	< 20.0 U	ND U	16 U	16 U	**7.5 J**	< 20.0 U	**130**	**140**	**110**	**281**	---
Arsenic	3	µg/L	**2.5**	**2.2**	**2.5**	**3**	**2.6**	ND U	1 U	1.0 U	**0.89 J**	< 1.0 U	**3.4**	**2.7**	**3.0**	**3.5**	**3.3**	**1.2**	**1.2**	**1.6**	**1.5**	---
Barium	2000	µg/L	**54**	**46**	**47**	**53.3**	**46.8**	**700**	**860**	**790**	**903**	**925**	**160**	**230**	**190**	**231**	**221**	**590**	**590**	**590**	**664**	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	1.0 U	---
Chromium	70	µg/L	ND U	1 U	1.0 U	**0.33 J**	**0.25 J**	ND U	1 U	1.0 U	**0.38 J**	< 2.0 U	**3**	**3**	**3.0**	**3.1**	**2.5**	ND U	1 U	1.0 U	**0.49 J**	---
Iron	300	µg/L	ND U	20 U	20 U	**106 J**	< 200 U	ND U	20 U	20 U	**306**	**614**	ND U	20 U	20 U	**135 J**	**221**	**93**	**100**	**60**	**419**	---
Lead	5	µg/L	**1.2**	1 U	**1.1**	**0.89 J**	**1.4**	**3.0**	**1**	**2.3**	**2.6**	**3.8**	**1.3**	1 U	1.0 U	**0.81 J**	**1.8**	ND U	1 U	**1.2**	**1.7**	---
Manganese	50	µg/L	**19**	**12**	**15**	**20.6**	**1.7**	**7**	**10**	**9.8**	**11.5**	**11.1**	**6**	**6**	**5.1**	**11.2**	**4.8**	**160**	**180**	**160**	**278**	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 UJ	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 UJ	0.03 U	---	0.048 U	0.050 U	< 0.051 U
4,4-DDE	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 UJ	**0.0039 J**	---	0.050 UJ	0.050 UJ	< 0.051 UJ	0.03 U	---	0.048 U	0.050 U	< 0.051 U
4,4-DDT	0.1	µg/L	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.03 U	---	0.050 UJ	0.050 U	< 0.051 UJ	0.03 U	---	0.050 UJ	0.050 UJ	< 0.051 UJ	0.03 U	---	0.048 U	0.050 U	< 0.051 U
Beta-BHC	0.04	µg/L	0.01 U	---	0.030 UJ	0.040 UJ	< 0.030 U	0.01 U	---	0.030 UJ	0.040 U	< 0.031 UJ	0.01 U	---	0.030 UJ	0.040 UJ	**0.0064 J**	0.01 U	---	0.029 U	0.040 U	< 0.031 U
Dieldrin	0.03	µg/L	0.02 U	U	0.050 UJ	0.050 UJ	< 0.051 U	0.02 U	U	**0.0043 J**	0.050 U	< 0.051 UJ	0.02 U	U	0.050 UJ	0.050 UJ	< 0.051 UJ	**0.0017 J**	U	0.048 U	0.050 U	< 0.051 U
Endosulfan II	40	µg/L	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.05 U	---	0.050 UJ	0.050 U	< 0.051 UJ	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 UJ	0.05 U	---	0.048 U	0.050 U	< 0.051 U
Endosulfan sulfate	40	µg/L	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 U	0.05 U	---	0.050 UJ	0.050 U	< 0.051 UJ	0.05 U	---	0.050 UJ	0.050 UJ	< 0.051 UJ	0.05 U	---	0.048 U	0.050 U	< 0.051 U
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.030 UJ	0.020 UJ	< 0.030 U	R	U	0.030 UJ	R	< 0.031 UJ	0.01 U	U	0.030 UJ	0.020 UJ	< 0.030 UJ	0.01 U	U	0.029 U	0.020 U	< 0.031 U
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 U	0.025 U	---	0.030 UJ	**0.0029 J**	< 0.031 UJ	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 UJ	0.025 U	---	0.029 U	0.025 U	< 0.031 U
Heptachlor	0.05	µg/L	0.02 U	---	0.030 UJ	0.025 UJ	< 0.030 U	0.02 U	---	0.030 UJ	**0.043 J**	< 0.031 UJ	0.02 U	---	0.030 UJ	0.025 UJ	< 0.030 UJ	0.02 U	---	0.029 U	**0.0018 J**	< 0.031 U
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 U	0.025 U	---	0.030 UJ	**0.0085 J**	< 0.031 UJ	0.025 U	---	0.030 UJ	0.025 UJ	< 0.030 UJ	**0.0033 J**	---	0.029 U	0.025 U	< 0.031 U
Methoxychlor	40	µg/L	0.25 UJ	---	0.25 UJ	0.25 UJ	< 0.25 U	0.25 U	---	0.25 UJ	0.25 U	< 0.26 UJ	0.25 U	---	0.25 UJ	0.25 UJ	< 0.25 UJ	**0.013 J**	---	0.24 U	0.25 U	< 0.26 U
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 R	0.50 R	< 0.50 U	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	0.50 R	0.50 R	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U
1,1-dichloroethene	1	µg/L	**1.6 J**	5 U	**0.78 J**	**0.91 J**	**0.59**	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	**0.22 J-**	**0.22 J**	**0.21 J**	**3.7 J**	5 U	**2.7 J**	**2.0 J**	**1.2 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 R	0.50 R	< 0.50 U	**55**	100 U	**65 J-**	**77 J**	**56**	5 U	5 U	**0.43 J-**	**0.58 J**	**0.43 J**	5 U	5 U	5.0 U	2.5 U	**0.73 J**
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 R	0.50 R	< 0.50 U	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	0.50 R	0.50 R	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 R	0.50 R	< 0.50 U	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	0.50 R	**0.15 J**	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U
Benzene	1	µg/L	5 U	5 U	0.50 R	0.50 R	< 0.50 U	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	0.50 R	0.50 R	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 R	0.50 R	< 0.50 U	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	0.50 R	0.50 R	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U
Chlorobenzene	50	µg/L	5 U	5 U	0.50 R	0.50 R	**0.075 J**	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	0.50 R	0.50 R	**0.074 J**	5 U	5 U	5.0 U	**0.65 J**	< 2.5 U
Chloroform	70	µg/L	5 U	5 U	0.50 R	0.50 R	**0.098 J**	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	**0.15 J**	0.50 R	**0.086 J**	5 U	5 U	5.0 U	2.5 U	< 2.5 U
cis-1,2-dichloroethene	70	µg/L	**20**	**16**	**16 J**	**17 J**	**16**	**2600**	**3300**	**2,900 J-**	**3,000 J**	**3200**	**48**	**110**	**48 J-**	**46 J**	**68**	**430**	**290**	**300**	**290**	**260**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	0.50 R	0.50 R	**0.35 J**	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	0.50 R	0.50 R	< 0.50 U	5 U	**0.29 J**	5.0 U	2.5 U	< 2.5 U
Methylene Chloride	3	µg/L	5 U	**0.41 J**	0.50 R	0.50 R	< 0.50 U	50 U	100 U	**50 R**	**50 R**	< 50 U	5 U	5 U	0.50 R	0.50 R	< 0.50 U	5 U	5 U	5.0 U	2.5 U	< 2.5 U
Tetrachloroethene	1	µg/L	5 U	**0.56 J**	**0.49 J**	**0.62 J**	**0.59**	50 U	100 U	**50 R**	**50 R**	< 50 U	**15**	**6**	**6.8 J**	**7.0 J**	**4.3**	5 U	5 U	5.0 U	2.5 U	**0.18 J**
trans-1,2-dichloroethene	100	µg/L	5 U	5 U	0.50 R	0.50 R	**0.30 J**	50 U	**11 J**	**50 R**	**50 R**	**23 J**	**1.3 J**	**1.2 J**	**1.1 J-**	**0.94 J**	**2.3**	**3.4 J**	**2.5 J**	**2.4 J**	**1.9 J**	**6.8**
Trichloroethene	1	µg/L	**26**	**19**	**18 J**	**15 J**	**16**	**7000**	**8500**	**7,900 J**	**7,700 J**	**6800**	**110**	**140**	**66 J**	**40 J**	**55**	**710**	**400**	**420**	**350**	**330**
Vinyl chloride	1	µg/L	5 U	5 U	0.50 R	0.50 R	< 0.50 U	50 U	100 U	**50 R**	**50 R**	< 50 U	**34**	**16**	**6.6 J**	**14 J**	**15**	**15**	**14**	**12**	**10**	**7.0**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	**3.9 J**	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ	---	U	0.19 U	0.40 U	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.20 UJ	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ	---	U	0.19 U	0.40 U	< 0.20 U
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	0.40 UJ	< 0.20 U	**1.4**	**1.3**	0.20 UJ	**1.6**	**1.8 J**	**0.36 J**	U	**0.29 J**	0.40 UJ	**0.15 J**	**0.23 J**	U	**0.079 J**	0.40 U	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	0.40 UJ	< 0.20 U	---	U	0.20 UJ	0.40 U	< 0.20 UJ	---	U	0.20 UJ	0.40 UJ	< 0.20 UJ	---	U	0.19 U	0.40 U	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	0.40 UJ	< 0.20 U	0.2 U	U	0.20 UJ	0.40 U	< 0.20 UJ	**0.044 J**	UJ	0.20 UJ	0.40 UJ	< 0.20 UJ	**0.083 J**	U	0.19 U	0.40 U	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	0.40 UJ	< 0.20 U	1 U	---	0.20 UJ	0.40 U	< 0.20 UJ	1 U	---	0.20 UJ	0.40 UJ	< 0.20 UJ	1 U	---	0.19 U	0.40 U	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-16-2	MW-16-2	MW-16-2	MW-16-2	MW-16-2	MW-16-3	MW-16-3	MW-16-3	MW-16-3	MW-16-3	MW-16-4	MW-16-4	MW-16-4	MW-16-4	MW-16-4	MW-16-5	MW-16-5	MW-16-5	MW-16-5	MW-16-5
Depth (ft)			40-50	40-50	40-50	40-50	40-50	85-95	85-95	85-95	85-95	85-95	108-118	108-118	108-118	108-118	108-118	135-145	135-145	135-145	135-145	135-145
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW-16-2	CDE-OU3-BLSR2-MW16-2	LTM01-MW16-2-S18	LTM01-MW16-2-F18	LTM03-MW16-2-S19	CDE-OU3-BLSR1-MW-16-3	CDE-OU3-BLSR2-MW16-3	LTM01-MW16-3-S18	LTM01-MW16-3-F18	LTM03-MW16-3-S19	CDE-OU3-BLSR1-MW-16-4	CDE-OU3-BLSR2-MW16-4	LTM01-MW16-4-S18	LTM01-MW16-4-F18	LTM03-MW16-4-S19	CDE-OU3-BLSR1-MW-16-5	CDE-OU3-BLSR2-MW16-5	LTM01-MW16-5-S18	LTM01-MW16-5-F18	LTM03-MW16-5-S19
Sample Date			12/28/2016	19/07/2017	4/5/2018	10/15/2018	6/11/2019	12/28/2016	19/07/2017	4/5/2018	10/15/2018	6/11/2019	12/28/2016	19/07/2017	4/5/2018 / 4/12/2018	10/15/2018	6/11/2019	12/28/2016	19/07/2017	4/5/2018	10/15/2018	6/11/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	20.0 U	---	ND U	16 U	16 U	**22**	---	ND U	16 U	320 / 16U	20.0 U	< 20.0 U	**16**	**20**	16 U	20.0 U	< 20.0 U
Arsenic	3	µg/L	**1.2**	**1.3**	**1.2**	**1.3**	---	**3.5**	**3.5**	**3.5**	**4.1**	---	**2.8**	**2.9**	**1.6 / 3.3**	**3.3**	**2.8**	**4.6**	**4.2**	**4.1**	**4.9**	**4.3**
Barium	2000	µg/L	**560**	**540**	**560**	**642**	---	**81**	**75**	**76**	**85.1**	---	**110**	**100**	**56 /100**	**115**	**106**	**74**	**68**	**70**	**77.2**	**71.0**
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U	1.0 U	---	ND U	1 U	1.0 U / 1.0U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	1.0 U	< 1.0 U
Chromium	70	µg/L	ND U	1 U	1.0 U	**0.22 J**	---	ND U	1 U	1.0 U	**0.22 J**	---	ND U	1 U	1.2 / 1.0U	**0.23 J**	**0.040 J**	ND U	1 U	1.0 U	**0.14 J**	< 2.0 U
Iron	300	µg/L	ND U	20 U	20 U	200 U	---	ND U	20 U	20 U	200 U	---	ND U	20 U	88 / 20U	200 U	**211**	**22**	20 U	20 U	200 U	< 200 U
Lead	5	µg/L	ND U	1 U	**1.1**	**0.98 J**	---	ND U	1 U	**1.2**	**1.1**	---	ND U	1 U	**4.5 / 24**	**4**	**2.6**	**1.0**	**2**	**5.9**	**10.5**	**2.1**
Manganese	50	µg/L	**69**	**71**	**83**	**91.5**	---	**36**	**39**	**31**	**33.9**	---	**28**	**33**	**21 / 47**	**30.6**	**23.8**	**53**	**56**	**53**	**58.6**	**53.1**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.048 UJ	0.050 U	< 0.051 U	0.03 U	---	0.048 UJ	0.050 U	< 0.052 U	0.03 U	---	0.048 UJ	0.050 U	< 0.052 U	0.03 U	---	0.048 UJ	0.050 UJ	< 0.054 U
4,4-DDE	0.1	µg/L	0.03 U	---	0.048 UJ	0.050 U	< 0.051 U	0.03 U	---	0.048 UJ	0.050 U	**0.00090 J**	0.03 U	---	0.048 UJ	0.050 U	< 0.052 U	0.03 U	---	0.048 UJ	0.050 UJ	< 0.054 U
4,4-DDT	0.1	µg/L	0.03 U	---	0.048 UJ	0.050 U	< 0.051 U	0.03 U	---	0.048 UJ	0.050 U	< 0.052 U	0.03 U	---	0.048 UJ	0.050 U	< 0.052 U	0.03 U	---	0.048 UJ	0.050 UJ	< 0.054 U
Beta-BHC	0.04	µg/L	0.01 U	---	0.029 UJ	0.040 U	< 0.031 U	R	---	0.029 UJ	0.040 U	< 0.031 U	0.01 U	---	0.029 UJ	0.040 U	< 0.031 U	R	---	0.029 UJ	0.040 UJ	**0.050**
Dieldrin	0.03	µg/L	0.02 U	U	0.048 UJ	0.050 U	< 0.051 U	**0.0095 J**	**0.014**	**0.013 J**	0.050 U	< 0.052 U	**0.0092 J**	**0.011**	**0.010 J**	**0.0093 J**	**0.0098 J**	0.02 U	U	0.048 UJ	0.050 UJ	< 0.054 U
Endosulfan II	40	µg/L	0.05 U	---	0.048 UJ	0.050 U	< 0.051 U	0.05 U	---	0.048 UJ	**0.0024 J**	**0.0097 J**	0.05 U	---	0.048 UJ	0.050 U	< 0.052 U	0.05 U	---	0.048 UJ	0.050 UJ	< 0.054 U
Endosulfan sulfate	40	µg/L	0.05 U	---	0.048 UJ	0.050 U	< 0.051 U	0.05 U	---	0.048 UJ	0.050 U	< 0.052 U	0.05 U	---	0.048 UJ	0.050 U	< 0.052 U	0.05 U	---	0.048 UJ	0.050 UJ	< 0.054 U
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.029 UJ	0.020 U	< 0.031 U	**0.0034 J**	U	0.029 UJ	0.020 U	< 0.031 U	0.01 U	U	0.029 UJ	0.020 U	< 0.031 U	**0.0028 J**	U	0.029 UJ	R	**0.0095 J**
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.029 UJ	0.025 U	< 0.031 U	0.025 U	---	0.029 UJ	0.025 U	**0.0078 J**	0.025 U	---	0.029 UJ	0.025 U	< 0.031 U	0.025 U	---	0.029 UJ	**0.0038 J**	**0.0068 J**
Heptachlor	0.05	µg/L	0.02 U	---	0.029 UJ	0.025 U	< 0.031 U	0.02 U	---	0.029 UJ	0.025 U	**0.0099 J**	0.02 U	---	0.029 UJ	0.025 U	< 0.031 U	0.02 U	---	0.029 UJ	0.025 UJ	< 0.033 U
Heptachlor epoxide	0.2	µg/L	**0.0018 J**	---	0.029 UJ	0.025 U	< 0.031 U	**0.0046 J**	---	0.029 UJ	0.025 U	< 0.031 U	0.025 U	---	0.029 UJ	0.025 U	< 0.031 U	0.025 U	---	0.029 UJ	0.025 UJ	< 0.033 U
Methoxychlor	40	µg/L	0.25 U	---	**0.0088 J**	0.25 U	< 0.26 U	**0.011 J**	---	0.24 UJ	0.25 U	< 0.26 U	0.25 U	---	0.24 UJ	0.25 U	< 0.26 U	0.25 U	---	0.24 UJ	0.25 UJ	< 0.27 U
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	10 U	5.0 U	2.5 U	< 2.5 U	50 U	50 U	50 U	25 U	< 25 U	50 U	**4.3 J**	50 U	25 U	**1.9 J**	50 U	**2.4 J**	25 U	25 U	< 10 U
1,1-dichloroethene	1	µg/L	**7.7**	10 U	**4.8 J**	**2.4 J**	**1.9 J**	**17 J**	50 U	50 U	**12 J**	**11 J**	**9.6 J**	50 U	50 U	25 U	**4.0 J**	50 U	50 U	**8.4 J**	**8.9 J**	**3.8 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	10 U	5.0 U	2.5 U	**0.67 J**	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	**4.9 J**	50 U	50 U	25 U	25 U	< 10 U
1,2-dichloroethane	2	µg/L	5 U	10 U	5.0 U	2.5 U	< 2.5 U	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	< 10 U	50 U	50 U	25 U	25 U	< 10 U
1,4-dichlorobenzene	75	µg/L	5 U	10 U	5.0 U	2.5 U	< 2.5 U	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	< 10 U	50 U	50 U	25 U	25 U	< 10 U
Benzene	1	µg/L	5 U	10 U	5.0 U	2.5 U	**0.28 J**	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	< 10 U	50 U	50 U	25 U	25 U	< 10 U
Bromodichloromethane	1	µg/L	5 U	10 U	5.0 U	2.5 U	< 2.5 U	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	< 10 U	50 U	50 U	25 U	25 U	< 10 U
Chlorobenzene	50	µg/L	5 U	10 U	5.0 U	**0.66 J**	< 2.5 U	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	< 10 U	50 U	50 U	25 U	25 U	< 10 U
Chloroform	70	µg/L	5 U	10 U	5.0 U	2.5 U	< 2.5 U	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	< 10 U	50 U	50 U	25 U	25 U	< 10 U
cis-1,2-dichloroethene	70	µg/L	**680**	**490**	**510**	**460**	**420**	**430**	**410**	**470**	**490**	**470**	**830**	**780**	**830**	**840**	**740**	**970**	**830**	**950**	**960**	**850**
Methyl tert-butyl ether	70	µg/L	5 U	10 U	5.0 U	2.5 U	< 2.5 U	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	< 10 U	50 U	50 U	25 U	25 U	< 10 U
Methylene Chloride	3	µg/L	5 U	10 U	5.0 U	2.5 U	< 2.5 U	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	25 U	< 10 U	50 U	50 U	25 U	25 U	< 10 U
Tetrachloroethene	1	µg/L	5 U	10 U	5.0 U	2.5 U	**0.19 J**	50 U	**8.3 J**	50 U	25 U	**8.4 J**	50 U	**7.5 J**	50 U	25 U	**4.7 J**	50 U	**4.2 J**	25 U	25 U	**3.0 J**
trans-1,2-dichloroethene	100	µg/L	**4.9 J**	**3.6 J**	**3.8 J**	**2.4 J**	**4.2**	50 U	**4.2 J**	50 U	25 U	**5.2 J**	50 U	**5.5 J**	50 U	25 U	**7.5 J**	**9.7 J**	**7.8 J**	**9.9 J**	**8.6 J**	**11**
Trichloroethene	1	µg/L	**1000**	**630**	**660**	**490**	**460**	**4300**	**3,400 J**	**3500**	**2900**	**2700**	**4800**	**4600**	**3700**	**3700**	**3000**	**2900**	**3900**	**2,400**	**2400**	**2000**
Vinyl chloride	1	µg/L	**21**	**22 J-**	**16**	**12**	**8.9**	50 U	50 U	50 U	25 U	< 25 U	50 U	50 U	50 U	**14 J**	**10**	50 U	50 U	**15 J**	25 U	**14**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.19 UJ	0.40 U	< 0.20 U	---	UJ	0.19 UJ	0.40 UJ	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.19 UJ	0.40 U	< 0.20 U	---	UJ	0.19 UJ	0.40 UJ	< 0.20 U
Aroclor 1242	N/A	µg/L	**0.24 J**	U	0.19 UJ	0.40 U	< 0.20 U	**0.13 J**	U	0.19 UJ	0.40 U	< 0.20 U	**0.11 J**	U	0.19 UJ	0.40 U	< 0.20 U	**0.39 J**	UJ	0.19 UJ	0.40 UJ	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.19 UJ	0.40 U	< 0.20 U	---	U	0.19 UJ	0.40 U	< 0.20 U	---	UJ	0.19 UJ	0.40 UJ	< 0.20 U
Aroclor 1254	0.5	µg/L	**0.11 J**	U	0.19 UJ	0.40 U	< 0.20 U	**0.087 J**	U	0.19 UJ	0.40 U	< 0.20 U	0.2 U	U	0.19 UJ	0.40 U	< 0.20 U	**0.054 J**	UJ	0.19 UJ	0.40 UJ	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.19 UJ	0.40 U	< 0.20 U	1 U	---	0.19 UJ	0.40 U	< 0.20 U	1 U	---	0.19 UJ	0.40 U	< 0.20 U	1 U	---	0.19 UJ	0.40 UJ	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-16-6	MW-16-6	MW-16-6	MW-16-6	MW-16-6	MW-16-7	MW-16-7	MW-16-7	MW-16-7	MW-16-7	MW-17-1	MW-17-1	MW-17-1	MW-17-1	MW-17-1	MW-17-2	MW-17-2	MW-17-2	MW-17-2	MW-17-2
Depth (ft)			170-180	170-180	170-180	170-180	170-180	195-205	195-205	195-205	195-205	195-205	170-180	170-180	170-180	170-180	170-180	205-215	205-215	205-215	205-215	205-215
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW-16-6	CDE-OU3-BLSR2-MW16-6	LTM01-MW16-6-S18	LTM01-MW16-6-F18	LTM03-MW16-6-S19	CDE-OU3-BLSR1-MW-16-7	CDE-OU3-BLSR2-MW16-7	LTM01-MW16-7-S18	LTM01-MW16-7-F18	LTM03-MW16-7-S19	CDE-OU3-BLSR1-MW17-1	CDE-OU3-BLSR2-MW17-1	LTM01-MW17-1-S18	LTM01-MW17-1-F18	LTM03-MW17-1-S19	CDE-OU3-BLSR1-MW17-2	CDE-OU3-BLSR2-MW17-2	LTM01-MW17-2-S18	LTM01-MW17-2-F18	LTM03-MW17-2-S19
Sample Date			12/28/2016	19/07/2017	4/5/2018	10/15/2018	6/11/2019	12/28/2016	19/07/2017	4/5/2018	10/15/2018	6/11/2019	05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019	05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	**23**	**58**	**37**	**20.6**	< 20.0 U	ND U	16 U	16 U	**26.8**	< 20.0 U	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---
Arsenic	3	µg/L	**5.0**	**5.6**	**5.1**	**5.8**	**5.1**	**4.8**	**5.0**	**4.9**	**5.8**	**5.8**	**2.5**	**2.5**	**2.7**	--	---	**3.3**	**3.2**	**3.4**	--	---
Barium	2000	µg/L	**64**	**70**	**65**	**68.1**	**62.9**	**150**	**140**	**130**	**142**	**137**	**59**	**51**	**50**	--	---	**49**	**43**	**43**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	1.0 U	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	**0.42 J**	**0.22 J**	ND U	1 U	1.0 U	**1.7 J**	**0.42 J**	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	**22**	**48**	**30**	200 U	< 200 U	ND U	20 U	20 U	200 U	< 200 U	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	**3.5**	**5.2**	**9.2**	**10.5**	**4.7**	ND U	**6.7**	**3.1**	**4.7**	**4.0**	**1.8**	**3.8**	**1.8**	--	---	ND U	**4.1**	**1.4**	--	---
Manganese	50	µg/L	**45**	**43**	**35**	**33.9**	**29.6**	**3**	**4**	**3.5**	**3.6**	**2.7**	**3**	**4**	**3.0**	--	---	**3**	**4**	**3.8**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.048 UJ	0.050 UJ	< 0.053 U	0.03 U	---	0.048 UJ	0.050 UJ	< 0.054 UJ	0.03 U	---	0.048 U	0.050 UJ	< 0.050 UJ	0.03 U	---	0.048 U	0.050 UJ	< 0.050 UJ
4,4-DDE	0.1	µg/L	0.03 U	---	0.048 UJ	0.050 UJ	< 0.053 U	**0.12 NJ**	---	0.048 UJ	0.050 UJ	< 0.054 UJ	0.03 U	---	0.048 U	0.050 UJ	< 0.050 UJ	0.03 U	---	0.048 U	0.050 UJ	< 0.050 UJ
4,4-DDT	0.1	µg/L	0.03 U	---	0.048 UJ	0.050 UJ	< 0.053 U	**0.29 NJ**	---	0.048 UJ	0.050 UJ	< 0.054 UJ	0.03 U	---	0.048 U	0.050 UJ	< 0.050 UJ	0.03 U	---	**0.0076 J**	0.050 UJ	< 0.050 UJ
Beta-BHC	0.04	µg/L	0.01 U	---	0.029 UJ	0.040 UJ	< 0.032 U	R	---	0.029 UJ	0.040 UJ	< 0.033 UJ	0.01 U	---	0.029 U	**0.012 J**	**0.0065 J**	0.01 U	---	0.029 U	**0.0086 J**	**0.0054 J**
Dieldrin	0.03	µg/L	0.02 U	U	0.048 UJ	0.050 UJ	< 0.053 U	**0.39**	U	0.048 UJ	0.050 UJ	< 0.054 UJ	0.02 U	U	0.048 U	0.050 UJ	< 0.050 UJ	0.02 U	U	**0.0070 J**	0.050 UJ	< 0.050 UJ
Endosulfan II	40	µg/L	0.05 U	---	0.048 UJ	0.050 UJ	< 0.053 U	0.05 U	---	0.048 UJ	0.050 UJ	< 0.054 UJ	0.05 U	---	0.048 U	0.050 UJ	< 0.050 UJ	0.05 U	---	0.048 U	0.050 UJ	< 0.050 UJ
Endosulfan sulfate	40	µg/L	0.05 U	---	0.048 UJ	0.050 UJ	< 0.053 U	**0.024 J**	---	0.048 UJ	0.050 UJ	< 0.054 UJ	0.05 U	---	0.048 U	0.050 UJ	< 0.050 UJ	0.05 U	---	0.048 U	0.050 UJ	< 0.050 UJ
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	0.029 UJ	0.020 UJ	< 0.032 U	**0.21 NJ**	U	0.029 UJ	R	< 0.033 UJ	0.01 U	U	0.029 U	0.020 UJ	< 0.030 UJ	0.01 U	U	0.029 U	0.020 UJ	< 0.030 UJ
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.029 UJ	0.025 UJ	< 0.032 U	**0.11 NJ**	---	0.029 UJ	0.025 UJ	< 0.033 UJ	0.025 U	---	0.029 U	0.025 UJ	< 0.030 UJ	0.025 U	---	0.029 U	0.025 UJ	< 0.030 UJ
Heptachlor	0.05	µg/L	0.02 UJ	---	0.029 UJ	0.025 UJ	< 0.032 U	0.02 U	---	0.029 UJ	0.025 UJ	< 0.033 UJ	0.02 U	---	0.029 U	**0.0027 J**	< 0.030 UJ	0.02 U	---	0.029 U	**0.0019 J**	< 0.030 UJ
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.029 UJ	0.025 UJ	< 0.032 U	0.025 U	---	0.029 UJ	0.025 UJ	< 0.033 UJ	0.025 U	---	0.029 U	0.025 UJ	< 0.030 UJ	0.025 U	---	0.029 U	0.025 UJ	< 0.030 UJ
Methoxychlor	40	µg/L	**0.012 J**	---	0.24 UJ	0.25 UJ	< 0.27 U	**0.031 J**	---	0.24 UJ	0.25 UJ	< 0.27 UJ	0.25 UJ	---	0.24 U	0.25 UJ	< 0.25 UJ	0.25 UJ	---	0.24 U	0.25 UJ	< 0.25 UJ
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	**0.31 J**	0.50 U	0.50 U	**0.26 J**	5 U	5 U	2.5 U	5.0 U	< 2.5 U	5 U	5 U	0.50 U	**0.26 J**	**0.22 J**	5 U	5 U	0.50 U	0.50 R	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	**0.64**	**0.62**	**0.63**	**6.2**	5 U	**5.5**	**4.7 J**	**4.8**	5 U	5 U	0.50 U	0.50 R	**0.14 J**	5 U	5 U	0.50 U	0.50 R	**0.17 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 U	0.50 U	**0.18 J**	**2.5 J**	5 U	**1.9 J**	5.0 U	< 2.5 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	2.5 U	5.0 U	< 2.5 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	2.5 U	5.0 U	< 2.5 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U
Benzene	1	µg/L	5 U	5 U	**0.19 J**	0.50 U	**0.17 J**	5 U	5 U	2.5 U	5.0 U	< 2.5 U	5 U	5 U	0.50 U	0.50 R	**0.086 J**	5 U	5 U	0.50 U	0.50 R	**0.083 J**
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	2.5 U	5.0 U	< 2.5 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	**0.25 J**	**0.24 J**	< 0.50 U	5 U	5 U	2.5 U	5.0 U	< 2.5 U	5 U	5 U	0.50 U	0.50 R	**0.087 J**	5 U	5 U	0.50 U	0.50 R	**0.060 J**
Chloroform	70	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	2.5 U	5.0 U	< 2.5 U	**0.51 J**	5 U	0.50 U	**0.37 J**	< 0.50 U	**0.48 J**	5 U	0.50 U	**0.34 J**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**360**	**240**	**230**	**190**	**150 J**	**230**	**280**	**390**	**560**	**550**	**130**	**120**	**120**	**83 J**	**97**	**250**	**110**	**100**	**110 J**	**79**
Methyl tert-butyl ether	70	µg/L	5 U	**0.91 J**	**0.44 J**	**0.75**	**0.73**	**3.6 J**	**3.4 J**	**3.3**	5.0 U	**3.9**	5 U	5 U	**1.1**	**0.95 J**	**0.96**	5 U	5 U	**0.45 J**	**0.42 J**	**0.84**
Methylene Chloride	3	µg/L	5 U	5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	2.5 U	5.0 U	< 2.5 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U	5 U	5 U	0.50 U	0.50 R	< 0.50 U
Tetrachloroethene	1	µg/L	**2.9 J**	**1.7 J**	**2.0**	**1.7**	**1.7**	**3.5 J**	**3 J**	**3.8**	**3.2 J**	**3.7**	**2.9 J**	**2.6 J**	**2.4**	**2.2 J**	**2.1**	**2.7 J**	**1.1 J**	**1.1**	**0.84 J**	**0.93**
trans-1,2-dichloroethene	100	µg/L	**3.4 J**	**2.1 J**	**2.7**	**2.8**	**6.6**	5 U	**1.2 J**	**1.6 J**	**2.1 J**	**3.8**	5 U	5 U	**1.0**	**0.73 J**	**1.2**	**1.6 J**	5 U	**1.0**	**0.67 J**	**0.98**
Trichloroethene	1	µg/L	**220**	**120**	**120**	**71**	**66 J**	**290**	**340**	**420**	**460**	**450**	**41**	**36**	**29**	**19 J**	**19**	**58**	**31**	**30**	**23 J**	**20**
Vinyl chloride	1	µg/L	5 U	5 U	**1.8**	**2.3**	**1.8**	5 U	5 U	**1.1 J**	5.0 U	< 2.5 U	**2.8 J**	**4.3 J**	**7.4**	**5.7 J**	**15**	**2.3 J**	**4.2 J**	**1.9**	**1.6 J**	**5.9**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.19 UJ	0.40 UJ	< 0.20 U	---	U	0.19 UJ	0.40 UJ	< 0.20 UJ	---	U	0.20 U	--	< 0.20 UJ	---	U	0.20 U	--	< 0.20 UJ
Aroclor 1232	N/A	µg/L	---	U	0.19 UJ	0.40 UJ	< 0.20 U	---	U	0.19 UJ	0.40 UJ	< 0.20 UJ	---	U	0.20 U	--	< 0.20 UJ	---	U	0.20 U	--	< 0.20 UJ
Aroclor 1242	N/A	µg/L	**0.34 J**	U	0.19 UJ	0.40 UJ	< 0.20 U	**0.065 J**	U	0.19 UJ	0.40 UJ	< 0.20 UJ	1 U	U	0.20 U	--	< 0.20 UJ	1 U	U	**0.10 J**	--	< 0.20 UJ
Aroclor 1248	0.5	µg/L	---	U	0.19 UJ	0.40 UJ	< 0.20 U	---	U	0.19 UJ	0.40 UJ	< 0.20 UJ	---	U	0.20 U	--	< 0.20 UJ	---	U	0.20 U	--	< 0.20 UJ
Aroclor 1254	0.5	µg/L	**0.085 J**	U	0.19 UJ	0.40 UJ	< 0.20 U	0.2 U	U	0.19 UJ	0.40 UJ	< 0.20 UJ	0.2 U	U	0.20 U	--	< 0.20 UJ	0.2 U	U	0.20 U	--	< 0.20 UJ
Aroclor 1260	N/A	µg/L	1 U	---	0.19 UJ	0.40 UJ	< 0.20 U	1 U	---	0.19 UJ	0.40 UJ	< 0.20 UJ	1 U	---	0.20 U	--	< 0.20 UJ	1 U	---	0.20 U	--	< 0.20 UJ

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-17-3	MW-17-3	MW-17-3	MW-17-3	MW-17-3	MW-18-1	MW-18-1	MW-18-1	MW-18-1	MW-18-1	MW-18-2	MW-18-2	MW-18-2	MW-18-2	MW-18-2	MW-19-1	MW-19-1	MW-19-1	MW-19-1	MW-19-1
Depth (ft)			235-245	235-245	235-245	235-245	235-245	160-170	160-170	160-170	160-170	160-170	210-220	210-220	210-220	210-220	210-220	65-75	65-75	65-75	65-75	65-75
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW17-3	CDE-OU3-BLSR2-MW17-3	LTM01-MW17-3-S18	LTM01-MW17-3-F18	LTM03-MW17-3-S19	CDE-OU3-BLSR1-MW18-1	CDE-OU3-BLSR2-MW18-1	LTM01-MW18-1-S18	LTM01-MW18-1-F18	LTM03-MW18-1-S19	CDE-OU3-BLSR1-MW18-2	CDE-OU3-BLSR2-MW18-2	LTM01-MW18-2-S18	LTM01-MW18-2-F18	LTM03-MW18-2-S19	CDE-OU3-BLSR1-MW19-1	CDE-OU3-BLSR2-MW19-1	LTM01-MW19-1-S18	LTM01-MW19-1-F18	LTM03-MW19-1-S19
Sample Date			05/01/2017	18/07/2017	4/30/2018	10/11/2018	6/12/2019	06/01/2017	13/07/2017	4/12/2018	10/16/2018	6/4/2019	06/01/2017	13/07/2017	4/12/2018	10/16/2018	6/4/2019	19/01/2017	01/08/2017	5/2/2018	10/18/2018	6/5/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	**22**	**17**	15 U	--	**80.9**	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	< 20.0 U	**41**	**45**	**40**	--	---
Arsenic	3	µg/L	**4.8**	**4.8**	**4.8**	--	**5.2**	**3.8**	**3.8**	**11**	--	---	**2.6**	**2.5**	**2.7**	--	**2.7**	**1.7**	**1.8**	**1.7**	--	---
Barium	2000	µg/L	**71**	**63**	**57**	--	**57.8**	**53**	**52**	**54**	--	---	**52**	**47**	**45**	--	**46.3**	**52**	**54**	**66**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	**0.20 J**	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	**24**	20 U	20 U	--	**241**	ND U	20 U	**23**	--	---	ND U	20 U	20 U	--	< 200 U	**46**	**44**	**41**	--	---
Lead	5	µg/L	**3.4**	**9.4**	**3.8**	--	**3.2**	**2.6**	**3.4**	**1.5**	--	---	**8.4**	**5.1**	**2.9**	--	**3.3**	ND U	**1.3**	**1.2**	--	---
Manganese	50	µg/L	**49**	**59**	**48**	--	**49.2**	**5**	**4**	**5.8**	--	---	**1**	1 U	1.0 U	--	< 1.0 U	**28**	**24**	**23**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	0.048 U	0.050 UJ	< 0.050 UJ	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	0.048 U	**0.0014 J**	< 0.050 UJ	**0.0012 J**	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	**0.0045 J**	**0.0049 J**	< 0.050 UJ	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	0.029 U	**0.044 JN**	< 0.030 UJ	0.01 U	---	--	--	---	**0.0017 J**	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	**0.0082 J**	0.050 UJ	< 0.050 UJ	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	0.048 U	0.050 UJ	< 0.050 UJ	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	0.048 U	0.050 UJ	< 0.050 UJ	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	**0.0027 J**	0.020 UJ	**0.0030 J**	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	0.029 U	**0.0016 J**	< 0.030 UJ	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	0.029 U	0.025 UJ	< 0.030 UJ	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	0.029 U	0.025 UJ	< 0.030 UJ	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	**0.0084 J**	---	0.24 U	0.25 UJ	**0.0066 J**	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**2.1 J**	5 U	**1.8 J**	5.0 R	**1.5 J**	5 U	5 U	**0.24 J**	**0.31 J**	**0.34 J**	**1.1 J**	5 U	**0.49 J**	**0.47 J**	**0.53**	**7.4**	**5.8**	**4.2**	**5.1**	**4.9**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	**0.83 J**	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	0.50 R	0.50 U	**0.11 J**	5 U	5 U	0.50 R	0.50 U	< 0.50 U	0.5 U	**0.061 J**	0.50 U	0.50 U	**0.057 J**
Bromodichloromethane	1	µg/L	5 U	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	**0.16 J-**	**0.14 J**	**0.16 J**	5 U	5 U	0.50 R	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	**0.10 J**
Chloroform	70	µg/L	**0.48 J**	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**650**	**350**	**610**	**310 J**	**540**	**2.6 J**	**2.1 J**	**1.7 J**	**2.1**	**1.9**	**4.2 J**	**3.8 J**	**3.4 J**	**3.7**	**3.5**	**4.7**	**4.4**	**4.0**	**4.5**	**4.0**
Methyl tert-butyl ether	70	µg/L	**5.8**	**11**	**6.1**	**7.0 J**	**6.6**	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	**0.22 J**	**0.17 J**	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	5 U	5.0 U	5.0 R	< 5.0 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	**0.33 J**	**0.17 J**	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**1.6 J**	**0.69 J**	5.0 U	5.0 R	**0.45 J**	5 U	**0.5 J**	**0.51 J**	**0.53**	**0.55**	5 U	**0.67 J**	**0.72 J**	**0.68**	**0.87**	**2**	**2**	**1.5**	**1.6**	**1.7**
trans-1,2-dichloroethene	100	µg/L	**3 J**	**2.6 J**	**3.0 J**	**1.1 J**	**2.4 J**	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	**0.077 J**	**0.08 J**	0.5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**1100**	**620**	**1100**	**300 J**	**780**	**62**	**48**	**41 J**	**44**	**7.6 J**	**78**	**61**	**57 R**	**64**	**59 J**	**22**	**21**	**25**	**21**	**5.4**
Vinyl chloride	1	µg/L	**46**	**200**	**110**	**30 J**	**80**	5 U	5 U	0.50 R	0.50 U	< 0.50 U	5 U	5 U	0.50 R	0.50 U	< 0.50 U	**0.13 J**	**0.11 J**	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	< 0.20 UJ	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 U	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	< 0.20 UJ	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 U	--	---
Aroclor 1242	N/A	µg/L	1 U	U	**0.18 J**	--	< 0.20 UJ	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.20 U	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 U	--	< 0.20 UJ	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 U	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	**0.15 J**	--	< 0.20 UJ	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 U	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	< 0.20 UJ	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 U	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-19-2	MW-19-2	MW-19-2	MW-19-2	MW-19-2	MW-19-3	MW-19-3	MW-19-3	MW-19-3	MW-19-3	MW-19-4	MW-19-4	MW-19-4	MW-19-4	MW-19-4	MW-19-5	MW-19-5	MW-19-5	MW-19-5	MW-19-5
Depth (ft)			132-142	132-142	132-142	132-142	132-142	200-210	200-210	200-210	200-210	200-210	257-267	257-267	257-267	257-267	257-267	367-377	367-377	367-377	367-377	367-377
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW19-2	CDE-OU3-BLSR2-MW19-2	LTM01-MW19-2-S18	LTM01-MW19-2-F18	LTM03-MW19-2-S19	CDE-OU3-BLSR1-MW19-3	CDE-OU3-BLSR2-MW19-3	LTM01-MW19-3-S18	LTM01-MW19-3-F18	LTM03-MW19-3-S19	CDE-OU3-BLSR1-MW19-4	CDE-OU3-BLSR2-MW19-4	LTM01-MW19-4-S18	LTM01-MW19-4-F18	LTM03-MW19-4-S19	CDE-OU3-BLSR1-MW19-5	CDE-OU3-BLSR2-MW19-5	LTM01-MW19-5-S18	LTM01-MW19-5-F18	LTM03-MW19-5-S19
Sample Date			19/01/2017	01/08/2017	5/2/2018	10/18/2018	6/5/2019	19/01/2017	01/08/2017	5/2/2018	10/18/2018	6/5/2019	19/01/2017	01/08/2017	5/2/2018	10/18/2018	6/5/2019	19/01/2017	01/08/2017	5/2/2018	10/18/2018	6/5/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	15 U	--	< 20.0 U	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	< 20.0 U
Arsenic	3	µg/L	**2.8**	**2.5**	**2.7**	--	**2.7**	**2.5**	**2.8**	**2.9**	--	---	**2.7**	**3.0**	**2.8**	--	---	**4.0**	**4.2**	**4.2**	--	**4.3**
Barium	2000	µg/L	**60**	**56**	**53**	--	**53.1**	**29**	**29**	**28**	--	---	**25**	**25**	**23**	--	---	**18**	**19**	**18**	--	**17.2**
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U
Chromium	70	µg/L	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	**1**	1.0 U	--	< 2.0 U
Iron	300	µg/L	ND U	20 U	20 U	--	< 200 U	ND U	20 U	20 U	--	---	ND U	20 U	**31**	--	---	ND U	20 U	20 U	--	**244**
Lead	5	µg/L	**6.3**	**3.7**	**5.6**	--	**15.1**	ND U	1 U	1.0 U	--	---	**3.5**	**2.0**	**3.1**	--	---	**6.4**	**4.8**	**3.6**	--	**2.0**
Manganese	50	µg/L	**4**	**2**	**1.7**	--	**1.3**	**28**	**27**	**24**	--	---	**37**	**39**	**28**	--	---	**28**	**29**	**28**	--	**26.1**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	**0.0018 J**	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	**0.0022 J**	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**9.8 J+**	**9.2 J+**	**9.1 J+**	**5.7**	**8.6**	**4.9**	**4.2**	**3.4**	**3.4**	**3.8**	**0.45 J**	0.31 U	**0.22 J**	**0.29 J**	**0.21 J**	0.3 U	0.3 U	0.50 U	0.50 U	**0.096 J**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	0.5 U	**0.022 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.046 J**	0.50 U	0.50 U	< 0.50 U	**0.057 J**	**0.096 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.034 J**	0.50 U	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.1 J**	0.5 U	0.50 U	**0.12 J**	**0.13 J**	0.5 U	**0.13 J**	0.50 U	**0.20 J**	**0.13 J**	**0.11 J**	**0.11 J**	0.50 U	0.50 U	**0.10 J**
Chloroform	70	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.18 J**	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.14 J**	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**3.4 J+**	**3.2 J+**	**3.3 J+**	**2.6**	**3.2**	**4.5**	**4.1**	**3.8**	**4.2**	**4.8**	**1.9**	**2**	**1.8**	**3.3**	**1.4**	**0.81**	**1.1**	**0.67**	**1.2**	**0.94**
Methyl tert-butyl ether	70	µg/L	**0.27 J**	**0.17 J**	0.50 U	0.50 U	< 0.50 U	**0.37 J**	**0.25 J**	0.50 U	0.50 U	**0.21 J**	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	**0.62**	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.35 J**	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.29 J**	**0.13 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**5**	**5.1**	**4.6**	**2.8**	**5.1**	**2.3**	**2.5**	**1.7**	**1.5**	**2.0**	0.5 U	0.3 U	0.50 U	0.50 U	**0.036 J**	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**48 J**	**46**	**42**	**40**	**42**	**44 J**	**47**	**36**	**18**	**40**	**9.1**	**12**	**6.1**	**2.9**	**2.4**	**6**	**9**	**4.1**	**7.9**	**8.6 J**
Vinyl chloride	1	µg/L	0.5 U	**0.059 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.033 J**	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 U	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-19-6	MW-19-6	MW-19-6	MW-19-6	MW-19-6	MW-19-7	MW-19-7	MW-19-7	MW-19-7	MW-19-7	MW-20-1	MW-20-1	MW-20-1	MW-20-1	MW-20-1	MW-20-2	MW-20-2	MW-20-2	MW-20-2	MW-20-2
Depth (ft)			480-490	480-490	480-490	480-490	480-490	545-555	545-555	545-555	545-555	545-555	25-35	25-35	25-35	25-35	25-35	85-95	85-95	85-95	85-95	85-95
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW19-6	CDE-OU3-BLSR2-MW19-6	LTM01-MW19-6-S18	LTM01-MW19-6-F18	LTM03-MW19-6-S19	CDE-OU3-BLSR1-MW19-7	CDE-OU3-BLSR2-MW19-7	LTM01-MW19-7-S18	LTM01-MW19-7-F18	LTM03-MW19-7-S19	CDE-OU3-BLSR1-MW20-1	CDE-OU3-BLSR2-MW20-1	LTM01-MW20-1-S18	LTM01-MW20-1-F18	LTM03-MW20-1-S19	CDE-OU3-BLSR1-MW20-2	CDE-OU3-BLSR2-MW20-2	LTM01-MW20-2-S18	LTM01-MW20-2-F18	LTM03-MW20-2-S19
Sample Date			19/01/2017	01/08/2017	5/2/2018	10/18/2018	6/5/2019	19/01/2017	01/08/2017	5/2/2018	10/18/2018	6/5/2019	1/11/2017	07/24/2017	4/10/2018	10/16/2018	6/5/2019	1/11/2017	07/24/2017	4/10/2018	10/16/2018	6/5/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	15 U	--	---	ND U	16 U	15 U	--	---	**25**	16 U	**25**	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**2.6**	**2.8**	**2.9**	--	---	**3.0**	**3.1**	**3.0**	--	---	**1.6**	**2.7**	**1.9**	--	---	**2.1**	**1.9**	**2.2**	--	---
Barium	2000	µg/L	**7**	**7**	**6.0**	--	---	**8**	**9**	**7.9**	--	---	**720**	**550**	**430**	--	---	**130**	**140**	**140**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	**22**	**21**	**20**	--	---	ND U	20 U	20 U	--	---	**5400**	**2600**	**760**	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	**1.8**	--	---	ND U	**3.8**	**2.3**	--	---	ND U	**4.6**	**3.2**	--	---
Manganese	50	µg/L	**160**	**180**	**180**	--	---	**350**	**390**	**370**	--	---	**1500**	**870**	**620**	--	---	**12**	**12**	**13**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	**0.2 J**	2.5 UJ	0.50 U	**0.14 J**
1,1-dichloroethene	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	5 U	**1.3 J**	**0.58 J**	**0.66**	**0.87**	5 U	**2.3 J**	**2.1 J**	**1.4**	**1.2**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	0.3 U	**0.011 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.023 J**	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	**0.14 J**	**0.21 J**	5 U	5 U	2.5 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	**0.076 J**	5 U	**0.31 J**	0.50 UJ	0.50 U	**0.095 J**	5 U	**0.27 J**	2.5 UJ	0.50 U	**0.069 J**
Chloroform	70	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**110**	**170**	**110 J**	**140**	**150**	**190**	**180**	**190 J**	**180**	**120**
Methyl tert-butyl ether	70	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**1.5 J**	**1.7 J**	**1.8 J**	**2.1**	**2.1**	5 U	**1.2 J**	2.5 UJ	**1.1**	**0.77**
Methylene Chloride	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.14 J**	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	**0.045 J**	**2.6 J**	**1.9 J**	**2.0 J**	**1.7**	**2.0**
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	5 U	**0.4 J**	**0.76 J**	**1.2**	**2.2**	5 U	**0.6 J**	**0.60 J**	**0.68**	**0.75**
Trichloroethene	1	µg/L	**0.75**	0.3 U	**0.25 J**	0.50 U	**0.086 J**	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 UJ	**13**	**5.5**	**3.7 J**	**3.8**	**5.3**	**350**	**310**	**240 J**	**160**	**140**
Vinyl chloride	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 U	--	---	1 U	U	0.20 U	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 U	--	---	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	---	1 U	---	0.20 U	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---

Notes:
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J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-20-3	MW-20-3	MW-20-3	MW-20-3	MW-20-3	MW-20-4	MW-20-4	MW-20-4	MW-20-4	MW-20-4	MW-20-5	MW-20-5	MW-20-5	MW-20-5	MW-20-5	MW-20-6	MW-20-6	MW-20-6	MW-20-6	MW-20-6
Depth (ft)			125-135	125-135	125-135	125-135	125-135	175-185	175-185	175-185	175-185	175-185	205-215	205-215	205-215	205-215	205-215	250-260	250-260	250-260	250-260	250-260
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW20-3	CDE-OU3-BLSR2-MW20-3	LTM01-MW20-3-S18	LTM01-MW20-3-F18	LTM03-MW20-3-S19	CDE-OU3-BLSR1-MW20-4	CDE-OU3-BLSR2-MW20-4	LTM01-MW20-4-S18	LTM01-MW20-4-F18	LTM03-MW20-4-S19	CDE-OU3-BLSR1-MW20-5	CDE-OU3-BLSR2-MW20-5	LTM01-MW20-5-S18	LTM01-MW20-5-F18	LTM03-MW20-5-S19	CDE-OU3-BLSR1-MW20-6	CDE-OU3-BLSR2-MW20-6	LTM01-MW20-6-S18	LTM01-MW20-6-F18	LTM03-MW20-6-S19
Sample Date			1/12/2017	07/24/2017	4/10/2018	10/16/2018	6/5/2019	1/12/2017	07/24/2017	4/10/2018	10/16/2018	6/5/2019	11/01/2017	24/07/2017	4/10/2018	10/16/2018	6/12/2019	11/01/2017	24/07/2017	4/10/2018	10/16/2018	6/21/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	**16**	16 U	16 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**2.6**	**2.8**	**2.8**	--	---	**4.3**	**4.4**	**4.4**	--	---	**4.2**	**4.5**	**4.1**	--	---	**3.5**	**4.2**	**3.6**	--	---
Barium	2000	µg/L	**140**	**140**	**140**	--	---	**170**	**180**	**170**	--	---	**120**	**110**	**100**	--	---	**75**	**87**	**70**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	**1.0**	**1.6**	--	---	ND U	**1.1**	**1.2**	--	---	**1.3**	**1.7**	**2.1**	--	---	ND U	**2.4**	**2.5**	--	---
Manganese	50	µg/L	**3**	**3**	**3.0**	--	---	**10**	**10**	**8.6**	--	---	**5.6**	**5.3**	**4.9**	--	---	**2.1**	**1.1**	**1.1**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 UJ	---	--	--	---	0.01 UJ	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 UJ	U	--	--	---	0.02 UJ	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 UJ	---	--	--	---	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 UJ	---	--	--	---	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 UJ	U	--	--	---	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 UJ	---	--	--	---	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 UJ	---	--	--	---	0.02 UJ	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 UJ	---	--	--	---	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 UJ	---	--	--	---	0.25 UJ	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	2.5 UJ	2.5 U	**0.18 J**	5 U	5 U	2.5 UJ	2.5 U	**0.13 J**	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
1,1-dichloroethene	1	µg/L	5 UJ	**2.2 J**	**1.9 J**	**1.6 J**	**1.3**	5 UJ	**1.9 J**	**2.1 J**	**1.9 J**	**1.5**	5 U	**1.9 J**	**2.1 J**	**1.8 J**	**1.8 J**	5 U	**2.2 J**	**2.0 J**	5.0 U	**1.6 J**
1,2,4-trichlorobenzene	9	µg/L	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
1,2-dichloroethane	2	µg/L	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
1,4-dichlorobenzene	75	µg/L	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
Benzene	1	µg/L	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	**0.074 J**	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
Bromodichloromethane	1	µg/L	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
Chlorobenzene	50	µg/L	5 UJ	5 U	2.5 UJ	2.5 U	**0.038 J**	5 UJ	5 U	2.5 UJ	2.5 U	**0.10 J**	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
Chloroform	70	µg/L	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	**0.21 J**	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
cis-1,2-dichloroethene	70	µg/L	**170 J-**	**130**	**120 J**	**120**	**95**	**230**	**200**	**270 J**	**320**	**300**	**200**	**200**	**240 J**	**270**	**330**	**140**	**130**	**160 J**	**170**	**250**
Methyl tert-butyl ether	70	µg/L	5 UJ	5 U	2.5 UJ	2.5 U	**0.28 J**	5 UJ	5 U	2.5 UJ	2.5 U	**0.41 J**	5 U	**0.59 J+**	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
Methylene Chloride	3	µg/L	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	5 UJ	5 U	2.5 UJ	**0.80 J**	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
Tetrachloroethene	1	µg/L	**2.4 J-**	**1.8 J**	**1.3 J**	**1.3 J**	**1.7**	**1.3 J-**	**1 J**	**1.1 J**	2.5 U	**0.85**	5 U	**1 J**	**1.0 J**	**1.2 J**	**0.23 J**	**1.9 J**	**1.6 J**	**1.9 J**	5.0 U	**0.56 J**
trans-1,2-dichloroethene	100	µg/L	5 UJ	**0.53 J**	**0.57 J**	2.5 U	**0.75**	5 UJ	**0.52 J**	**0.89 J**	**1.0 J**	**4.0**	5 U	**0.59 J**	**1.6 J**	**0.63 J**	**5.6**	5 U	10 U	5.0 UJ	5.0 U	**0.81 J**
Trichloroethene	1	µg/L	**590 J-**	**450**	**370 J**	**290**	**240**	**360**	**350**	**320 J**	**260**	**140**	**340**	**460**	**450 J**	**400**	**170**	**700**	**740**	**800 J**	**760**	**420**
Vinyl chloride	1	µg/L	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 2.5 U	5 U	10 U	5.0 UJ	5.0 U	< 2.5 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---	1 UJ	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 UJ	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 UJ	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-20-7	MW-20-7	MW-20-7	MW-20-7	MW-20-7	MW-20-8	MW-20-8	MW-20-8	MW-20-8	MW-20-8	MW-21-1	MW-21-1	MW-21-1	MW-21-1	MW-21-1	MW-21-2	MW-21-2	MW-21-2	MW-21-2	MW-21-2
Depth (ft)			297-307	297-307	297-307	297-307	297-307	355-365	355-365	355-365	355-365	355-365	50-60	50-60	50-60	50-60	50-60	87-97	87-97	87-97	87-97	87-97
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW20-7	CDE-OU3-BLSR2-MW20-7	LTM01-MW20-7-S18	LTM01-MW20-7-F18	LTM03-MW20-7-S19	CDE-OU3-BLSR1-MW20-8	CDE-OU3-BLSR2-MW20-8	LTM01-MW20-8-S18	LTM01-MW20-8-F18	LTM03-MW20-8-S19	CDE-OU3-BLSR1-MW21-1	CDE-OU3-BLSR2-MW21-1	LTM01-MW21-1-S18	LTM01-MW21-1-F18	LTM03-MW21-1-S19	CDE-OU3-BLSR1-MW21-2	CDE-OU3-BLSR2-MW21-2	LTM01-MW21-2-S18	LTM01-MW21-2-F18	LTM03-MW21-2-S19
Sample Date			13/01/2017	07/24/2017	4/10/2018	10/16/2018	6/5/2019	13/01/2017	07/24/2017	4/10/2018	10/16/2018	6/5/2019	19/01/2017	07/28/2017	4/9/2018	10/17/2018	6/7/2019	19/01/2017	07/28/2017	4/9/2018	10/17/2018	6/7/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	**31**	**180**	**38**	--	**24.3**	**48**	**200**	**58**	--	< 20.0 U
Arsenic	3	µg/L	**4.7**	**4.7**	**4.9**	--	---	**8.8**	**8.6**	**8.5**	--	---	**3.0**	**3.2**	**3.6**	--	**3.9**	**3.3**	**2.9**	**3.6**	--	**4.1**
Barium	2000	µg/L	**36**	**34**	**35**	--	---	**33**	**29**	**28**	--	---	**15**	**20**	**16**	--	**29.1**	**15**	**19**	**16**	--	**12.4**
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	< 1.0 U
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	**1**	1.0 U	--	---	ND U	**1**	1.0 U	--	< 2.0 U	ND U	**1.1**	1.0 U	--	< 2.0 U
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	**38**	**190**	**41**	--	**330**	**62**	**210**	**62**	--	**336**
Lead	5	µg/L	ND U	**2.3**	**1.7**	--	---	**2.4**	**4.7**	**1.8**	--	---	**9.4**	**12.0**	**15**	--	**18.2**	**7.1**	**11.0**	**4.7**	--	**8.8**
Manganese	50	µg/L	**3**	**2**	**1.8**	--	---	**4**	**5**	**3.8**	--	---	**5**	**5**	**1.6**	--	**21.4**	**4**	**6**	**5.7**	--	**14.6**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	10 U	**0.48 J**	**0.43 J**	**0.49 J**	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	**3.4 J**	**0.36 J**	**0.32 J**	**0.23 J**	5 UJ	**1.1 J**	**0.87 J**	2.5 U	**0.59**	1.5 U	**0.55 J**	2.5 UJ	**0.78**	**0.29 J**	1.5 U	**0.52 J**	2.5 UJ	**0.65**	**0.12 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	10 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	10 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	10 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	10 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	**0.16 J**	1.5 U	**0.042 J**	2.5 UJ	0.50 U	< 0.50 U	1.5 U	**0.037 J**	2.5 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	10 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	1.5 U	0.6 U	2.5 UJ	0.50 U	< 0.50 U	1.5 U	0.6 U	2.5 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	10 U	0.50 UJ	0.50 U	**0.039 J**	5 UJ	5 U	2.5 UJ	2.5 U	**0.13 J**	2.5 U	1 U	2.5 UJ	0.50 U	**0.10 J**	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	10 U	**0.58 J**	**0.54**	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**290**	**260**	**150 J**	**130**	**110**	**45 J-**	**39**	**53 J**	**44**	**38**	**57**	**41**	**51 J**	**130**	**32**	**49**	**53**	**51 J**	**130**	**37**
Methyl tert-butyl ether	70	µg/L	5 U	10 U	**0.52 J**	**0.50**	**0.22 J**	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	10 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**4.2 J**	**3.2 J**	**3.0 J**	**3.2**	**3.6**	5 UJ	**0.77 J**	2.5 UJ	2.5 U	**0.59**	1.5 U	**0.73**	2.5 UJ	**0.65**	**0.36 J**	1.5 U	**0.74**	2.5 UJ	**0.59**	**0.15 J**
trans-1,2-dichloroethene	100	µg/L	**1.6 J**	**1.5 J**	**1.4 J**	**1.4**	**1.8**	5 UJ	**0.35 J**	2.5 UJ	2.5 U	**0.44 J**	**0.63 J**	**0.33 J**	2.5 UJ	**0.93**	**2.9**	**0.39 J**	**0.29 J**	2.5 UJ	**1.1**	**1.1**
Trichloroethene	1	µg/L	**1100**	**940**	**56 J**	**36**	**31**	**280**	**260**	**270 J**	**310**	**280**	**230**	**290**	**320 J**	**130**	**27**	**280**	**340**	**320 J**	**190**	**18**
Vinyl chloride	1	µg/L	5 U	10 U	0.50 UJ	0.50 U	< 0.50 U	5 UJ	5 U	2.5 UJ	2.5 U	< 0.50 U	**0.67 J**	**0.45 J**	2.5 UJ	**0.82**	**1.0**	2.5 U	0.6 U	2.5 UJ	**1.7**	**0.50**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.19 UJ	--	---	1 U	U	0.19 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.19 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.19 UJ	--	---	1 U	---	0.19 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-21-3	MW-21-3	MW-21-3	MW-21-3	MW-21-3	MW-21-4	MW-21-4	MW-21-4	MW-21-4	MW-21-4	MW-21-5	MW-21-5	MW-21-5	MW-21-5	MW-21-5	MW-21-6	MW-21-6	MW-21-6	MW-21-6	MW-21-6
Depth (ft)			150-160	150-160	150-160	150-160	150-160	205-215	205-215	205-215	205-215	205-215	260-270	260-270	260-270	260-270	260-270	428-438	428-438	428-438	428-438	428-438
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW21-3	CDE-OU3-BLSR2-MW21-3	LTM01-MW21-3-S18	LTM01-MW21-3-F18	LTM03-MW21-3-S19	CDE-OU3-BLSR1-MW21-4	CDE-OU3-BLSR2-MW21-4	LTM01-MW21-4-S18	LTM01-MW21-4-F18	LTM03-MW21-4-S19	CDE-OU3-BLSR1-MW21-5	CDE-OU3-BLSR2-MW21-5	LTM01-MW21-5-S18	LTM01-MW21-5-F18	LTM03-MW21-5-S19	CDE-OU3-BLSR1-MW21-6	CDE-OU3-BLSR2-MW21-6	LTM01-MW21-6-S18	LTM01-MW21-6-F18	LTM03-MW21-6-S19
Sample Date			24/01/2017	07/28/2017	4/9/2018	10/17/2018	6/7/2019	24/01/2017	07/28/2017	4/9/2018	10/17/2018	6/7/2019	19/01/2017	07/28/2017	4/9/2018	10/17/2018	6/7/2019	19/01/2017	07/28/2017	4/9/2018	10/17/2018	6/7/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	**32**	16 U	--	< 20.0 U	ND U	**16**	16 U	--	< 20.0 U	**240**	**140**	**39**	--	**28.7**	ND U	16 U	16 U	--	< 20.0 U
Arsenic	3	µg/L	**3.4**	**3.3**	**3.4**	--	**3.3**	**3.4**	**3.1**	**3.3**	--	**3.5**	**3.3**	**2.9**	**3.3**	--	**3.4**	**2.3**	**2.3**	**2.3**	--	**2.3**
Barium	2000	µg/L	**15**	**18**	**15**	--	**19.4**	**14**	**20**	**14**	--	**15.1**	**18**	**14**	**15**	--	**19.2**	**6**	**8**	**6.2**	--	< 10.0 U
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	< 1.0 U
Chromium	70	µg/L	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	< 2.0 U
Iron	300	µg/L	ND U	**28**	20 U	--	**392**	ND U	**34**	20 U	--	**470**	**310**	**150**	**51**	--	**471**	ND U	20 U	20 U	--	**1440**
Lead	5	µg/L	**6.3**	**12.0**	**7.5**	--	**4.9**	**5.8**	**15.0**	**12**	--	**26.6**	**5**	**7.9**	**12**	--	**4.9**	**7**	**2.0**	1.0 U	--	< 1.0 U
Manganese	50	µg/L	**2**	**2**	**1.1**	--	**9.8**	**3**	**4**	1.0 U	--	**25.6**	**7**	**3**	**2.5**	--	**49.6**	**390**	**470**	**470**	--	**491**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	**0.0021 J**	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	**0.0077 J**	---	--	--	---	**0.0052 J**	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	2.5 U	**0.53 J**	2.5 UJ	**0.55**	**0.14 J**	1.5 U	**0.57 J**	2.5 UJ	**0.62**	**0.16 J**	1.5 U	**0.52 J**	**0.86 J**	**0.24 J**	< 0.50 U	0.3 U	**0.02 J**	0.50 UJ	**0.36 J**	< 0.50 U
1,2,4-trichlorobenzene	9	µg/L	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	2.5 U	**0.039 J**	2.5 UJ	0.50 U	< 0.50 U	1.5 U	**0.04 J**	2.5 UJ	0.50 U	< 0.50 U	1.5 U	**0.035 J**	2.5 UJ	0.50 U	< 0.50 U	0.3 U	**0.011 J**	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	2.5 U	0.6 U	2.5 UJ	0.50 U	< 0.50 U	1.5 U	0.6 U	2.5 UJ	0.50 U	< 0.50 U	1.5 U	0.6 U	2.5 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	**0.18 J**	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**53**	**50**	**50 J**	**95**	**34**	**50**	**53**	**49 J**	**80**	**40**	**51**	**63**	**48 J**	**62**	**11**	**1**	**0.7**	**0.52 J**	**8.3 J**	**2.1**
Methyl tert-butyl ether	70	µg/L	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	2.5 U	1 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	2.5 U	**0.78**	2.5 UJ	**0.70**	**0.38 J**	1.5 U	**0.82**	2.5 UJ	**0.91**	**0.42 J**	1.5 U	**0.75**	2.5 UJ	**0.33 J**	**0.12 J**	0.3 U	0.3 U	0.50 UJ	**0.54**	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	2.5 U	**0.32 J**	2.5 UJ	**0.62**	**1.3**	2.5 U	**0.3 J**	2.5 UJ	**0.55**	**3.0**	**0.36 J**	**0.29 J**	2.5 UJ	**0.20 J**	**0.15 J**	0.5 U	0.5 U	0.50 UJ	**0.24 J**	< 0.50 U
Trichloroethene	1	µg/L	**300**	**310**	**340 J**	**210**	**18**	**320**	**340**	**330 J**	**250**	**17**	**290**	**400**	**320 J**	**240**	**7.2**	**17**	**10 J**	**7.2 J**	**38**	**8.9**
Vinyl chloride	1	µg/L	2.5 U	0.6 U	2.5 UJ	**1.2**	**0.96**	2.5 U	0.6 U	2.5 UJ	**0.93**	**1.0**	2.5 U	0.6 U	2.5 UJ	0.50 U	< 0.50 U	**0.025 J**	0.3 U	0.50 UJ	0.50 U	**0.52**
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.19 UJ	--	---	1 U	U	0.19 UJ	--	---	1 U	U	0.19 UJ	--	---	1 U	U	0.19 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.19 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.19 UJ	--	---	1 U	---	0.19 UJ	--	---	1 U	---	0.19 UJ	--	---	1 U	---	0.19 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-21-7	MW-21-7	MW-21-7	MW-21-7	MW-21-7	MW-21-8	MW-21-8	MW-21-8	MW-21-8	MW-21-8	MW-22-1	MW-22-1	MW-22-1	MW-22-1	MW-22-1	MW-22-2	MW-22-2	MW-22-2	MW-22-2	MW-22-2
Depth (ft)			485-495	485-495	485-495	485-495	485-495	505-515	505-515	505-515	505-515	505-515	45-55	45-55	45-55	45-55	45-55	125-135	125-135	125-135	125-135	125-135
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW21-7	CDE-OU3-BLSR2-MW21-7	LTM01-MW21-7-S18	LTM01-MW21-7-F18	LTM03-MW21-7-S19	CDE-OU3-BLSR1-MW21-8	CDE-OU3-BLSR2-MW21-8	LTM01-MW21-8-S18	LTM01-MW21-8-F18	LTM03-MW21-8-S19	CDE-OU3-BLSR1-MW22-1	CDE-OU3-BLSR2-MW22-1	LTM01-MW22-1-S18	LTM01-MW22-1-F18	LTM03-MW22-1-S19	CDE-OU3-BLSR1-MW22-2	CDE-OU3-BLSR2-MW22-2	LTM01-MW22-2-S18	LTM01-MW22-2-F18	LTM03-MW22-2-S19
Sample Date			24/01/2017	07/28/2017	4/9/2018	10/17/2018	6/7/2019	24/01/2017	07/28/2017	4/9/2018	10/17/2018	6/7/2019	1/12/2017	07/17/2017	/29/2018 /4/23/2018	10/18/2018	6/6/2019	1/12/2017	07/17/2017	3/29/2018 / 4/23/2018	10/18/2018	6/6/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	< 20.0 U	ND U	16 U	16 U	--	< 20.0 U	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**3.8**	**2.6**	**2.9**	--	**2.5**	**3.1**	**2.3**	**3.1**	--	**2.5**	**1.3**	**1.4**	**1.5**	--	---	**2.3**	**2.2**	**2.3**	--	---
Barium	2000	µg/L	**7**	**10**	**7.4**	--	< 10.0 U	**8**	**8**	**7.4**	--	< 10.0 U	**160**	**150**	**150**	--	---	**190**	**180**	**180**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	**1530**	ND U	20 U	20 U	--	**1390**	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	**5.2**	1.0 U	--	< 1.0 U	ND U	**1.6**	1.0 U	--	< 1.0 U	ND U	1 U	**1.3**	--	---	ND U	1 U	1.0 U	--	---
Manganese	50	µg/L	**330**	**320**	**370**	--	**353**	**300**	**250**	**290**	--	**271**	ND U	1 U	1.0 U	--	---	**2**	**1**	**1.5**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 UJ	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 UJ	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 UJ	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	**0.0045 J**	---	--	--	---	**0.0073 J**	---	--	--	---	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 UJ	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	0.3 U	**0.019 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.028 J**	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	**0.44 J**	0.50 U	< 0.50 U	5 U	5 U	**2.2 J**	**0.24 J**	**0.26 J**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	**0.019 J**	**0.016 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.014 J**	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**0.46 J**	**0.29 J**	**0.24 J**	**0.26 J**	**1.7**	**0.6**	**0.61**	**0.49 J**	**0.91**	**0.51**	**2.4 J**	**1.8 J**	**10 J**	**2.0**	**0.54**	**9.1**	**5.7**	**21**	**5.7**	**4.6**
Methyl tert-butyl ether	70	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	**12 J**	**1.0**	< 0.50 U	**42**	**27**	**27 J**	**29**	**26**
Methylene Chloride	3	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.01 J**	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	**0.12 J**
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	**0.15 J**	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**4.9**	**4**	**3.1 J**	**3.0**	**2.5**	**7.9**	**8.6**	**6.9 J**	**6.9**	**5.8**	5 U	5 U	**0.26 J**	0.50 U	< 0.50 U	**1.6 J**	**1.3 J**	**1.2 J**	**0.89**	**1.1**
Vinyl chloride	1	µg/L	0.5 U	0.3 U	0.50 UJ	0.50 U	**0.72**	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.19 UJ	--	---	1 U	U	0.19 UJ	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.19 UJ	--	---	1 U	---	0.19 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-22-3	MW-22-3	MW-22-3	MW-22-3	MW-22-3	MW-22-4	MW-22-4	MW-22-4	MW-22-4	MW-22-4	MW-23-1	MW-23-1	MW-23-1	MW-23-1	MW-23-1	MW-23-2	MW-23-2	MW-23-2	MW-23-2	MW-23-2
Depth (ft)			210-220	210-220	210-220	210-220	210-220	305-315	305-315	305-315	305-315	305-315	60-70	60-70	60-70	60-70	60-70	120-130	120-130	120-130	120-130	120-130
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW22-3	CDE-OU3-BLSR2-MW22-3	LTM01-MW22-3-S18	LTM01-MW22-3-F18	LTM03-MW22-3-S19	CDE-OU3-BLSR1-MW22-4	CDE-OU3-BLSR2-MW22-4	LTM01-MW22-4-S18	LTM01-MW22-4-F18	LTM03-MW22-4-S19	CDE-OU3-BLSR1-MW23-1	CDE-OU3-BLSR2-MW23-1	LTM01-MW23-1-S18	LTM01-MW23-1-F18	LTM03-MW23-1-S19	CDE-OU3-BLSR1-MW23-2	CDE-OU3-BLSR2-MW23-2	LTM01-MW23-2-S18	LTM01-MW23-2-F18	LTM03-MW23-2-S19
Sample Date			1/12/2017	07/17/2017	3/29/2018 / 4/23/2018	10/18/2018	6/6/2019	1/12/2017	07/17/2017	3/29/2018 / 4/23/2018	10/18/2018	6/6/2019	18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019	18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	< 20.0 U	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**5.5**	**5.8**	**5.8**	--	---	**11.0**	**11.0**	**11**	--	**12.0**	ND U	1 U	1.0 U	--	---	**1.1**	**1.0**	**1.2**	--	---
Barium	2000	µg/L	**190**	**200**	**180**	--	---	**110**	**110**	**100**	--	**109**	**170**	**210**	**170**	--	---	**140**	**140**	**150**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 2.0 U	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	< 200 U	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	1 U	1.0 U	--	---	**2.9**	**2.3**	**5.1**	--	**1.4**	**1.6**	**1.1**	**2.8**	--	---	ND U	**1.4**	**3.6**	--	---
Manganese	50	µg/L	**2**	**1**	**1.0**	--	---	**14**	**13**	**12**	--	**11.9**	**3**	**4**	**3.3**	--	---	**3**	**3**	**2.8**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 UJ	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 UJ	U	--	--	---	0.02 UJ	U	--	--	---	0.02 U	U	--	--	---	**0.0039 J**	**0.0071 J**	--	--	---
Endosulfan II	40	µg/L	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 UJ	U	--	--	---	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	**0.0051 J**	---	--	--	---
Heptachlor	0.05	µg/L	0.02 UJ	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 UJ	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	5 U	5 U	**7.9 J+**	**4.2**	**6.4**	**11**	**7.7**	**12 J**	**6.3**	**10 J+**	0.3 U	**0.021 J**	0.50 UJ	0.50 U	< 0.50 U	**0.49 J**	**0.25 J**	**0.25 J**	**0.24 J**	**0.27 J**
1,2,4-trichlorobenzene	9	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	5 U	5 U	**0.60 J**	0.50 U	**0.40 J**	5 U	5 U	2.5 UJ	2.5 U	**0.76**	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	**0.18 J**	0.3 U	**0.013 J**	0.50 UJ	0.50 U	< 0.50 U	**0.014 J**	**0.018 J**	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	5 U	5 U	**0.14 J**	0.50 U	**0.073 J**	5 U	5 U	2.5 UJ	2.5 U	**0.33 J**	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	5 U	**0.36 J**	0.50 UJ	**0.58**	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**130**	**98**	10 UJ	**110**	**100**	**240**	**210**	**250 J**	**170**	**220**	**0.33 J**	**0.55**	**0.35 J**	**0.30 J**	**0.21 J**	**3.2**	**2.4**	**1.9 J**	**1.8**	**1.8**
Methyl tert-butyl ether	70	µg/L	5 U	5 U	**0.30 J**	0.50 U	**0.20 J**	5 U	**0.4 J**	2.5 UJ	2.5 U	**0.28 J**	0.5 U	**0.12 J**	0.50 UJ	0.50 U	< 0.50 U	**0.22 J**	**0.17 J**	0.50 UJ	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	5 U	5 U	**0.37 J**	0.50 U	**0.16 J**	**0.89 J**	5 U	**1.1 J**	**1.0 J**	**0.63**	**0.25 J**	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	5 U	5 U	0.50 UJ	0.50 U	**0.15 J**	5 U	5 U	2.5 UJ	2.5 U	**0.060 J**	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	5 U	**0.22 J**	**0.49 J+**	**0.25 J**	**0.33 J**	5 U	**0.46 J**	**0.59 J**	2.5 U	**0.60 J+**	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**29**	**24**	**19 J**	**25**	**28**	**15**	**6.8**	**7.2 J**	**5.8**	**9.9**	**0.34**	**1.3**	**0.20 J**	0.50 U	**0.073 J**	**13**	**10**	**6.5 J**	**6.5**	**6.5**
Vinyl chloride	1	µg/L	5 U	5 U	**0.17 J**	0.50 U	< 0.50 U	5 U	5 U	2.5 UJ	2.5 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	**0.042 J**	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	**2.3 J**	--	< 0.20 U	1 U	U	0.20 U	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	< 0.20 U	---	U	0.20 U	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	**3.5 J**	--	< 0.20 U	0.2 U	U	0.20 U	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	< 0.20 U	1 U	---	0.20 U	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-23-3	MW-23-3	MW-23-3	MW-23-3	MW-23-3	MW-23-4	MW-23-4	MW-23-4	MW-23-4	MW-23-4	MW-23-5	MW-23-5	MW-23-5	MW-23-5	MW-23-5	MW-23-6	MW-23-6	MW-23-6	MW-23-6	MW-23-6
Depth (ft)			170-180	170-180	170-180	170-180	170-180	226-236	226-236	226-236	226-236	226-236	258-268	258-268	258-268	258-268	258-268	316-326	316-326	316-326	316-326	316-326
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW23-3	CDE-OU3-BLSR2-MW23-3	LTM01-MW23-3-S18	LTM01-MW23-3-F18	LTM03-MW23-3-S19	CDE-OU3-BLSR1-MW23-4	CDE-OU3-BLSR2-MW23-4	LTM01-MW23-4-S18	LTM01-MW23-4-F18	LTM03-MW23-4-S19	CDE-OU3-BLSR1-MW23-5	CDE-OU3-BLSR2-MW23-5	LTM01-MW23-5-S18	LTM01-MW23-5-F18	LTM03-MW23-5-S19	CDE-OU3-BLSR1-MW23-6	CDE-OU3-BLSR2-MW23-6	LTM01-MW23-6-S18	LTM01-MW23-6-F18	LTM03-MW23-6-S19
Sample Date			18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019	18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019	18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019	18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	< 20.0 U
Arsenic	3	µg/L	**1.5**	**1.4**	**1.6**	--	---	**2.2**	**2.3**	**2.2**	--	---	**3.1**	**3.3**	**3.2**	--	---	**4.2**	**3.9**	**4.4**	--	**4.9**
Barium	2000	µg/L	**170**	**160**	**170**	--	---	**150**	**170**	**150**	--	---	**71**	**83**	**71**	--	---	**66**	**63**	**63**	--	**64.7**
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	**44**	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 2.0 U
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	**190**	20 U	20 U	--	---	ND U	20 U	20 U	--	< 200 U
Lead	5	µg/L	ND U	**1.4**	**2.8**	--	---	**3.8**	**1.2**	**2.4**	--	---	**3**	**2.6**	**3.4**	--	---	**5.5**	**1.2**	**3.3**	--	**1.5**
Manganese	50	µg/L	**2**	**2**	**1.8**	--	---	ND U	1 U	**1.2**	--	---	**3**	1 U	1.0 U	--	---	**14**	**11**	**15**	--	**20.3**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	**0.0045 J**	**0.0059 J**	--	--	---	0.02 U	**0.0038 J**	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**0.48 J**	**0.35**	**0.24 J**	0.50 U	< 0.50 U	**0.39 J**	**0.26 J**	0.50 UJ	0.50 U	< 0.50 U	**0.79**	**0.57**	**0.41 J-**	**0.55**	**0.45 J**	**0.6**	**0.69**	**0.66 J**	**0.68**	**0.67**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	0.5 U	**0.019 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.017 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.02 J**	0.50 UJ	0.50 U	< 0.50 U	**0.088 J**	**0.066 J**	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	**0.11 J**	0.5 U	0.50 UJ	0.50 U	**0.083 J**
Chloroform	70	µg/L	**0.14 J**	0.5 U	0.50 UJ	**0.15 J**	< 0.50 U	**0.26 J**	0.5 U	**0.18 J**	**0.24 J**	< 0.50 U	**0.56**	**0.51**	**0.34 J**	**0.43 J**	< 0.50 U	**0.56**	**0.54**	**0.47 J**	**0.46 J**	**0.50**
cis-1,2-dichloroethene	70	µg/L	**13**	**14**	**12 J**	**10**	**8.8**	**5.9**	**6.6**	**2.3 J-**	**2.6**	**2.7**	**8.2**	**7.1**	**5.3 J-**	**6.5**	**5.5**	**11**	**11**	**12 J**	**12**	**11**
Methyl tert-butyl ether	70	µg/L	**0.34 J**	**0.27 J**	**0.28 J**	0.50 U	< 0.50 U	**0.17 J**	**0.15 J**	0.50 UJ	0.50 U	< 0.50 U	**0.18 J**	**0.12 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.12 J**	0.50 UJ	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	0.5 U	**0.13 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.18 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.15 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**0.88**	**0.88**	**0.84 J**	**0.84**	**0.77**	**0.57**	**0.73**	**0.35 J**	**0.46 J**	**0.48 J**	**0.58**	**0.62**	**0.35 J**	**0.46 J**	**0.45 J**	0.3 U	**0.16 J**	0.50 UJ	0.50 U	**0.13 J**
trans-1,2-dichloroethene	100	µg/L	**0.11 J**	**0.14 J**	**0.12 J**	0.50 U	**0.12 J**	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	**0.073 J**
Trichloroethene	1	µg/L	**52**	**70**	**20 J**	**11**	**6.2**	**22**	**16**	**1.3 J**	**0.86**	**0.94**	**33**	**32**	**30 J**	**27**	**18**	**17**	**20**	**15 J**	**16**	**17**
Vinyl chloride	1	µg/L	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	---	1 U	U	0.19 UJ	--	---	1 U	U	0.19 UJ	--	---	1 U	U	0.19 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.19 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	---	1 U	---	0.19 UJ	--	---	1 U	---	0.19 UJ	--	---	1 U	---	0.19 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-23-7	MW-23-7	MW-23-7	MW-23-7	MW-23-7	MW-23-8	MW-23-8	MW-23-8	MW-23-8	MW-23-8	MW-23-9	MW-23-9	MW-23-9	MW-23-9	MW-23-9	MW-24-1	MW-24-1	MW-24-1	MW-24-1	MW-24-1
Depth (ft)			350-360	350-360	350-360	350-360	350-360	406-416	406-416	406-416	406-416	406-416	444-454	444-454	444-454	444-454	444-454	85-95	85-95	85-95	85-95	85-95
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW23-7	CDE-OU3-BLSR2-MW23-7	LTM01-MW23-7-S18	LTM01-MW23-7-F18	LTM03-MW23-7-S19	CDE-OU3-BLSR1-MW23-8	CDE-OU3-BLSR2-MW23-8	LTM01-MW23-8-S18	LTM01-MW23-8-F18	LTM03-MW23-8-S19	CDE-OU3-BLSR1-MW23-9	CDE-OU3-BLSR2-MW23-9	LTM01-MW23-9-S18	LTM01-MW23-9-F18	LTM03-MW23-9-S19	CDE-OU3-BLSR1-MW24-1	CDE-OU3-BLSR2-MW24-1	LTM01-MW24 -1-S18	LTM01-MW24 -1-F18	LTM03-MW24-1-S19
Sample Date			18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019	18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019	18/01/2017	07/27/2017	4/4/2018	10/17/2018	6/6/2019	23/01/2017	07/31/2017	4/27/2018	10/17/2018	6/5/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	**18**	16 U	16 U	--	---	ND U	16 U	16 U	--	---	**15**	**27**	15 U	--	< 20.0 U
Arsenic	3	µg/L	**4.0**	**4.2**	**4.0**	--	---	**2.3**	**2.4**	**2.3**	--	---	**2.7**	**2.8**	**2.8**	--	---	**2.3**	**1.7**	**1.6**	--	**1.8**
Barium	2000	µg/L	**54**	**59**	**52**	--	---	**25**	**27**	**26**	--	---	**7**	**7**	**6.8**	--	---	**89**	**83**	**65**	--	**68.2**
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	**1.6**	1.0 U	--	---	ND U	1 U	1.0 U	--	**0.080 J**
Iron	300	µg/L	ND U	20 U	20 U	--	---	**65**	**30**	**48**	--	---	ND U	**37**	20 U	--	---	**29**	20 U	20 U	--	< 200 U
Lead	5	µg/L	**1.4**	**1.5**	**1.2**	--	---	**1.7**	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	**6.5**	**9.2**	**5.5**	--	**1.7**
Manganese	50	µg/L	ND U	1 U	1.0 U	--	---	**51**	**52**	**68**	--	---	**14**	**15**	**12**	--	---	**120**	**58**	**50**	--	**38.4**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 UJ	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 UJ	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 UJ	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 UJ	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 UJ	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 UJ	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 UJ	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 UJ	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 UJ	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	2.5 U	0.5 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**1.7**	**1.3**	**1.2 J**	**1.5**	**1.7**	**1.7**	**0.81**	**0.68 J**	**0.76**	**0.36 J**	1.5 U	**0.38**	2.5 UJ	**0.51**	**0.55**	0.3 U	0.3 U	0.50 U	0.50 U	**0.11 J**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	2.5 U	0.5 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	2.5 U	0.5 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	2.5 U	0.5 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	0.5 U	**0.02 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.041 J**	0.50 UJ	0.50 U	< 0.50 U	1.5 U	**0.041 J**	2.5 UJ	0.50 U	< 0.50 U	0.3 U	**0.062 J**	**0.15 J**	0.50 U	**0.12 J**
Bromodichloromethane	1	µg/L	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	1.5 U	0.3 U	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	**0.91**	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	**0.057 J**	2.5 U	0.5 U	2.5 UJ	0.50 U	**0.053 J**	**0.3 J**	0.5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	**12**	**0.7**	**0.77 J**	**0.80**	**0.50**	**0.91**	**0.49 J**	**0.42 J**	**0.43 J**	< 0.50 U	2.5 U	0.5 U	2.5 UJ	**0.17 J**	< 0.50 U	0.5 U	**0.27 J**	**0.18 J**	**0.26 J**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**0.16 J**	**9.4**	**11 J**	**13**	**13**	**12**	**11**	**13 J**	**16**	**12**	**29**	**25**	**25 J**	**24**	**29**	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Methyl tert-butyl ether	70	µg/L	0.5 U	**0.11 J**	0.50 UJ	0.50 U	< 0.50 U	**0.16 J**	0.5 U	0.50 UJ	0.50 U	< 0.50 U	2.5 U	**0.14 J**	2.5 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	**0.26 J**	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	2.5 U	**0.12 J**	2.5 UJ	0.50 U	< 0.50 U	**0.59**	**0.12 J**	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**0.099 J**	**0.27 J**	**0.24 J**	**0.26 J**	**0.30 J**	**0.26 J**	**0.26 J**	0.50 UJ	0.50 U	**0.12 J**	1.5 U	**0.29 J**	2.5 UJ	**0.35 J**	**0.31 J**	0.5 U	**0.56**	**0.46 J**	**0.44 J**	**0.50**
trans-1,2-dichloroethene	100	µg/L	**40**	0.5 U	0.50 UJ	0.50 U	**0.10 J**	**0.099 J**	0.5 U	0.50 UJ	0.50 U	< 0.50 U	2.5 U	**0.18 J**	2.5 UJ	**0.20 J**	**0.19 J**	0.3 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	0.5 U	**39 J**	**43 J**	**42**	**42**	**40**	**29**	**25 J**	**19**	**12**	**200**	**180**	**200 J**	**180**	**170**	0.3 U	0.3 U	0.50 U	0.50 U	**0.081 J**
Vinyl chloride	1	µg/L	---	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	1.5 U	0.3 U	2.5 UJ	0.50 U	< 0.50 U	---	0.3 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	--	--	---	---	U	0.20 U	--	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	--	--	---	---	U	0.20 U	--	< 0.20 U
Aroclor 1242	N/A	µg/L	1 U	U	0.19 UJ	--	---	1 U	U	0.19 UJ	--	---	1 U	U	--	--	---	1 UJ	U	**0.82**	--	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.19 UJ	--	---	---	U	0.19 UJ	--	---	---	U	--	--	---	---	U	0.20 U	--	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.19 UJ	--	---	0.2 U	U	0.19 UJ	--	---	0.2 U	U	--	--	---	0.2 UJ	U	**1.4**	--	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.19 UJ	--	---	1 U	---	0.19 UJ	--	---	1 U	---	--	--	---	1 UJ	---	0.20 U	--	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-24-2	MW-24-2	MW-24-2	MW-24-2	MW-24-2	MW-24-3	MW-24-3	MW-24-3	MW-24-3	MW-24-3	MW-24-4	MW-24-4	MW-24-4	MW-24-4	MW-24-4	MW-24-5	MW-24-5	MW-24-5	MW-24-5	MW-24-5
Depth (ft)			135-145	135-145	135-145	135-145	135-145	240-250	240-250	240-250	240-250	240-250	332-342	332-342	332-342	332-342	332-342	370-380	370-380	370-380	370-380	370-380
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW24-2	CDE-OU3-BLSR2-MW24-2	LTM01-MW24 -2-S18	LTM01-MW24 -2-F18	LTM03-MW24-2-S19	CDE-OU3-BLSR1-MW24-3	CDE-OU3-BLSR2-MW24-3	LTM01-MW24 -3-S18	LTM01-MW24 -3-F18	LTM03-MW24-3-S19	CDE-OU3-BLSR1-MW24-4	CDE-OU3-BLSR2-MW24-4	LTM01-MW24 -4-S18	LTM01-MW24 -4-F18	LTM03-MW24-4-S19	CDE-OU3-BLSR1-MW24-5	CDE-OU3-BLSR2-MW24-5	LTM01-MW24 -5-S18	LTM01-MW24 -5-F18	LTM03-MW24-5-S19
Sample Date			23/01/2017	07/31/2017	4/27/2018	10/17/2018	6/5/2019	23/01/2017	07/31/2017	4/27/2018	10/17/2018	6/5/2019	23/01/2017	07/31/2017	4/27/2018	10/17/2018	6/5/2019	23/01/2017	07/31/2017	4/27/2018	10/17/2018	6/5/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	ND U	16 U	15 U	--	---	**39**	**24**	15 U	--	---	**18**	**21**	**15**	--	---	ND U	16 U	15 U	--	---
Arsenic	3	µg/L	**2.4**	**2.0**	**2.0**	--	---	**3.4**	**3.3**	**3.3**	--	---	**3.1**	**2.9**	**2.9**	--	---	**3.2**	**3.4**	**3.4**	--	---
Barium	2000	µg/L	**100**	**96**	**84**	--	---	**25**	**23**	**20**	--	---	**15**	**14**	**13**	--	---	**19**	**18**	**16**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	**42**	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	1 U	1.0 U	--	---	**1.8**	**1.6**	**1.3**	--	---	ND U	**2.1**	**2.0**	--	---	**3**	**1.3**	**3.6**	--	---
Manganese	50	µg/L	**29**	**26**	**15**	--	---	**96**	**52**	**29**	--	---	**26**	**25**	**18**	--	---	**4**	**2**	1.0 U	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 UJ	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 UJ	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 UJ	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---	**0.0035 J**	---	--	--	---	**0.0031 J**	---	--	--	---
Methoxychlor	40	µg/L	0.25 UJ	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**5.5 J-**	**5.2**	**4.2**	**3.6**	**2.8**	**5.2 J+**	**6.2**	**4.5**	**4.6**	**4.9**	**1.1 J+**	**1.3**	**0.87**	**1.0**	**0.96**	**0.2 J**	**0.12 J**	**0.17 J**	**0.22 J**	**0.23 J**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	0.5 U	**0.084 J**	0.50 U	0.50 U	**0.15 J**	0.5 U	**0.057 J**	0.50 U	0.50 U	< 0.50 U	0.3 U	**0.03 J**	0.50 U	0.50 U	< 0.50 U	0.3 U	**0.023 J**	0.50 U	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	**0.19 J**	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**0.86**	**0.85**	**0.71**	**0.58**	**0.45 J**	**0.61**	**0.63**	**0.48 J**	**0.45 J**	**0.49 J**	**0.29 J**	**0.36 J**	**0.26 J**	**0.27 J**	**0.28 J**	**0.24 J**	**0.23 J**	**0.19 J**	**0.23 J**	**0.21 J**
Methyl tert-butyl ether	70	µg/L	**0.17 J**	**0.14 J**	0.50 U	0.50 U	< 0.50 U	**0.31 J**	**0.26 J**	0.50 U	0.50 U	**0.17 J**	0.5 U	**0.16 J**	0.50 U	0.50 U	< 0.50 U	**0.15 J**	**0.14 J**	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	**5.8**	**5.6**	**3.7**	**7.0**	**6.8**	**0.29 J**	0.3 U	**0.28 J**	**0.24 J**	**0.30 J**	0.3 U	0.3 U	0.50 U	0.50 U	**0.10 J**	0.3 U	**0.041 J**	0.50 U	0.50 U	**0.043 J**
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**12**	**12**	**10**	**8.1**	**6.4**	**3.8**	**4.6**	**3.4**	**3.3**	**3.2**	**1.7**	**1.8**	**1.3**	**1.5**	**1.5**	**1.3**	**1.4**	**1.2**	**1.5**	**1.5**
Vinyl chloride	1	µg/L	0.5 U	**0.025 J**	0.50 U	0.50 U	< 0.50 U	**0.03 J**	**0.034 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U
Aroclor 1242	N/A	µg/L	1 U	U	**0.25**	--	< 0.20 U	1 U	U	**1.1**	--	< 0.20 U	1 U	U	0.20 U	--	< 0.20 U	1 U	U	0.20 U	--	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U	---	U	0.20 U	--	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	**0.33**	--	< 0.20 U	0.2 U	U	**1.0**	--	< 0.20 U	0.2 U	U	0.20 U	--	< 0.20 U	0.2 U	U	0.20 U	--	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.20 U	--	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-24-6	MW-24-6	MW-24-6	MW-24-6	MW-24-6	MW-25-1	MW-25-1	MW-25-1	MW-25-1	MW-25-1	MW-25-2	MW-25-2	MW-25-2	MW-25-2	MW-25-2	MW-25-3	MW-25-3	MW-25-3	MW-25-3	MW-25-3
Depth (ft)			455-465	455-465	455-465	455-465	455-465	85-95	85-95	85-95	85-95	85-95	175-185	175-185	175-185	175-185	175-185	200-210	200-210	200-210	200-210	200-210
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW24-6	CDE-OU3-BLSR2-MW24-6	LTM01-MW24 -6-S18	LTM01-MW24 -6-F18	LTM03-MW24-6-S19	CDE-OU3-BLSR1-MW25-1	CDE-OU3-BLSR2-MW25-1	LTM01-MW25 -1-S18	LTM01-MW25 -1-F18	LTM03-MW25-1-S19	CDE-OU3-BLSR1-MW25-2	CDE-OU3-BLSR2-MW25-2	LTM01-MW25 -2-S18	LTM01-MW25 -2-F18	LTM03-MW25-2-S19	CDE-OU3-BLSR1-MW25-3	CDE-OU3-BLSR2-MW25-3	LTM01-MW25 -3-S18	LTM01-MW25 -3-F18	LTM03-MW25-3-S19
Sample Date			23/01/2017	07/31/2017	4/27/2018	10/17/2018	6/5/2019	20/01/2017	03/08/2017	4/20/2018	10/22/2018	6/10/2019	20/01/2017	03/08/2017	4/20/2018	10/22/2018	6/10/2019	20/01/2017	03/08/2017	4/19/2018	10/22/2018	6/10/2019
Analyte	Project Action Limit (µg/L)	Units																				
Metals																						
Aluminum	50	µg/L	**23**	16 U	15 U	--	---	ND U	**27**	16 U	--	---	ND U	**21**	16 U	--	---	ND U	**22**	16 U	--	---
Arsenic	3	µg/L	**3.7**	**3.1**	**3.0**	--	---	**1.1**	**1.1**	**1.1**	--	---	**2.4**	**2.4**	**2.4**	--	---	**2.6**	**2.5**	**2.5**	--	---
Barium	2000	µg/L	**15**	**13**	**11**	--	---	**170**	**150**	**140**	--	---	**400**	**420**	**400**	--	---	**180**	**190**	**190**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	**1.1**	**1.4**	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	**21**	20 U	20 U	--	---	ND U	20 U	**38**	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	**1.1**	**1.5**	**1.6**	--	---	**1.1**	**1.2**	**2.2**	--	---	**1.9**	**1.2**	1.0 U	--	---	**1.5**	**1.2**	**1.0**	--	---
Manganese	50	µg/L	**120**	**65**	**42**	--	---	ND U	1 U	1.0 U	--	---	**10**	**4**	**2.1**	--	---	ND U	1 U	1.0 U	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	**0.0042 J**	---	--	--	---	**0.0048 J**	---	--	--	---	**0.0036 J**	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	**0.28 J**	**0.33**	**0.42 J**	**0.25 J**	**0.37 J**	**0.99**	**1**	**0.85 J**	**0.64**	**0.62**	**0.75**	**0.74**	**0.63 J**	**0.65**	**0.33 J**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Benzene	1	µg/L	**0.033 J**	**0.039 J**	0.50 U	0.50 U	< 0.50 U	0.3 U	**0.012 J**	0.50 UJ	0.50 U	< 0.50 U	**0.022 J**	**0.02 J**	0.50 UJ	0.50 U	< 0.50 U	**0.012 J**	**0.013 J**	0.50 UJ	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	**0.031 J**	**0.034 J**	0.50 UJ	0.50 U	< 0.50 U	**0.025 J**	**0.025 J**	0.50 UJ	0.50 U	< 0.50 U	**0.046 J**	**0.05 J**	0.50 UJ	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Chloroform	70	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.75**	**0.81**	**0.87 J**	**0.64**	**1.1**	**1.4**	**1.3**	**1.2 J**	**0.99**	< 0.50 U	**0.97**	**0.91**	**0.85 J**	**0.91**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**0.2 J**	**0.23 J**	**0.22 J**	**0.24 J**	**0.28 J**	**1.5**	**1.6**	**1.5 J**	**1.1**	**1.5**	**6.3**	**5.6**	**4.8 J**	**3.9**	**3.7**	**4.6**	**4**	**3.4 J**	**3.8**	**2.8**
Methyl tert-butyl ether	70	µg/L	0.5 U	**0.11 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	0.5 U	**0.12 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	**0.018 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.021 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.018 J**	0.50 UJ	0.50 U	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	**0.065 J**	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**3**	**3.9**	**3.1**	**3.8**	**3.9**	**1.3**	**1.3**	**1.2 J**	**0.73**	**0.99**	**2.7**	**2.8**	**2.5 J**	**2.0**	**2.1**	**2.2**	**2.1**	**1.9 J**	**2.0**	**1.4**
Vinyl chloride	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.22 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.22 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	**0.77**	--	< 0.20 U	1 U	U	0.22 UJ	--	---	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.20 U	--	< 0.20 U	---	U	0.22 UJ	--	---	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	**0.99**	--	< 0.20 U	0.2 U	U	0.22 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.20 U	--	< 0.20 U	1 U	---	0.22 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-25-4	MW-25-4	MW-25-4	MW-25-4	MW-25-4	MW-25-5	MW-25-5	MW-25-5	MW-25-5	MW-25-5	MW-25-6	MW-25-6	MW-25-6	MW-25-6	MW-25-6	MW-26-1	MW-26-1	MW-26-1	MW-26-1	MW-26-1
Depth (ft)			275-285	275-285	275-285	275-285	275-285	345-355	345-355	345-355	345-355	345-355	435-445	435-445	435-445	435-445	435-445	95-105	95-105	95-105	95-105	95-105
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW25-4	CDE-OU3-BLSR2-MW25-4	LTM01-MW25 -4-S18	LTM01-MW25 -4-F18	LTM03-MW25-4-S19	CDE-OU3-BLSR1-MW25-5	CDE-OU3-BLSR2-MW25-5	LTM01-MW25 -5-S18	LTM01-MW25 -5-F18	LTM03-MW25-5-S19	CDE-OU3-BLSR1-MW25-6	CDE-OU3-BLSR2-MW25-6	LTM01-MW25 -6-S18	LTM01-MW25 -6-F18	LTM03-MW25-6-S19	CDE-OU3-BLSR1-MW26-1	CDE-OU3-BLSR2-MW26-1	LTM01-MW26-1-S18	LTM01-MW26-1-F18	LTM03-MW26-1-S19
Sample Date			20/01/2017	03/08/2017	4/20/2018	10/22/2018	6/10/2019	20/01/2017	03/08/2017	4/20/2018	10/22/2018	6/10/2019	20/01/2017	03/08/2017	4/20/2018	10/22/2018	6/10/2019	20/01/2017	02/08/2017	4/19/2018	10/22/2018	6/6/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	ND U	**22**	16 U	--	---	**15**	**22**	16 U	--	---	**210**	**240**	**550**	--	---	**40**	**28**	**26**	--	**31.7**
Arsenic	3	µg/L	**2.5**	**2.5**	**2.4**	--	---	**3.7**	**3.7**	**3.7**	--	---	**5.3**	**5.3**	**5.6**	--	---	**1.8**	**1.8**	**1.7**	--	**1.8**
Barium	2000	µg/L	**270**	**310**	**300**	--	---	**80**	**82**	**76**	--	---	**93**	**97**	**100**	--	---	**240**	**250**	**250**	--	**255**
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	< 1.0 U
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	**1.1**	**1.4**	**1.7**	--	---	ND U	1 U	1.0 U	--	< 2.0 U
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	**24**	**140**	--	---	**210**	**230**	**540**	--	---	**86**	**23**	**47**	--	**302**
Lead	5	µg/L	**1.1**	1 U	1.0 U	--	---	**2.3**	1 U	1.0 U	--	---	**1.8**	**1.4**	**3.1**	--	---	**2.7**	**2.5**	**5.5**	--	**18.3**
Manganese	50	µg/L	**12**	**5**	**2.8**	--	---	**7**	**5**	**3.3**	--	---	**8**	**10**	**18**	--	---	**4**	1 U	**1.0**	--	**2.4**
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	**0.0025 J**	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	**0.0047 J**	---	--	--	---	**0.0028 J**	---	--	--	---	**0.0023 J**	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**0.82**	**0.8**	**0.63 J**	**0.62**	**0.64**	0.5 U	**0.52**	**0.48 J**	**0.54**	**0.32 J**	**2.4 J+**	**2.1**	**2.0 J**	**2.1**	**0.69**	**1.5**	**1.5**	0.50 U	**1.5**	**1.5**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	0.5 U	**0.03 J**	0.50 UJ	0.50 U	< 0.50 U	**0.056 J**	**0.044 J**	0.50 UJ	0.50 U	**0.12 J**	**0.029 J**	**0.02 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.019 J**	0.50 U	0.50 U	< 0.50 U
Bromodichloromethane	1	µg/L	0.5 U	**0.021 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	**0.01 J**	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.017 J**	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	**0.89**	**0.87**	**0.76 J**	**0.66**	< 0.50 U	**1.6**	**1.4**	**1.4 J**	**1.5**	< 0.50 U	**3.6**	**3.2**	**3.5 J**	**3.5**	< 0.50 U	**1.8**	**1.8**	**2.0**	**2.2**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**6.5**	**5.5**	**4.8 J**	**5.2**	**5.5**	**1.6**	**1.4**	**1.3 J**	**1.6**	**1.4**	**17**	**15**	**15 J**	**16**	**15**	**10**	**10**	**9.9**	**11**	**9.1**
Methyl tert-butyl ether	70	µg/L	**0.17 J**	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	**0.19 J**	**0.14 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	0.5 U	**0.13 J**	0.50 UJ	0.50 U	**0.11 J**	0.3 U	**0.079 J**	0.50 UJ	0.50 U	< 0.50 U	0.3 U	**0.055 J**	0.50 UJ	0.50 U	**0.049 J**	0.5 U	**0.062 J**	0.50 U	0.50 U	**0.070 J**
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 UJ	0.50 U	**0.090 J**	0.5 U	0.5 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 UJ	0.50 U	**1.1**	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**22**	**18 J**	0.50 UJ	**17**	**16**	**1.9**	**2**	**2.0 J**	**2.3**	**1.5**	**7.9**	**7.9**	**7.2 J**	**7.2**	**6.8**	**6.2**	**6.5**	**6.0**	**6.3**	**6.0**
Vinyl chloride	1	µg/L	0.5 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 UJ	0.50 U	< 0.50 U	0.5 U	**0.024 J**	0.50 UJ	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	UJ	0.20 UJ	--	---	---	U	0.22 UJ	--	< 0.20 U
Aroclor 1232	N/A	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	UJ	0.20 UJ	--	---	---	U	0.22 UJ	--	< 0.20 U
Aroclor 1242	N/A	µg/L	1 U	U	0.20 UJ	--	---	1 U	U	0.20 UJ	--	---	1 U	UJ	0.20 UJ	--	---	**1.3**	U	0.22 UJ	--	< 0.20 U
Aroclor 1248	0.5	µg/L	---	U	0.20 UJ	--	---	---	U	0.20 UJ	--	---	---	UJ	0.20 UJ	--	---	---	U	0.22 UJ	--	< 0.20 U
Aroclor 1254	0.5	µg/L	0.2 U	U	0.20 UJ	--	---	0.2 U	U	0.20 UJ	--	---	0.2 U	UJ	0.20 UJ	--	---	**0.34**	U	0.22 UJ	--	< 0.20 U
Aroclor 1260	N/A	µg/L	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.20 UJ	--	---	1 U	---	0.22 UJ	--	< 0.20 U

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

Location ID			MW-26-2	MW-26-2	MW-26-2	MW-26-2	MW-26-2	MW-26-3	MW-26-3	MW-26-3	MW-26-3	MW-26-3	MW-26-4	MW-26-4	MW-26-4	MW-26-4	MW-26-4	MW-26-5	MW-26-5	MW-26-5	MW-26-5	MW-26-5
Depth (ft)			175-185	175-185	175-185	175-185	175-185	255-265	255-265	255-265	255-265	255-265	305-320	305-320	305-320	305-320	305-320	385-395	385-395	385-395	385-395	385-395
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW26-2	CDE-OU3-BLSR2-MW26-2	LTM01-MW26-2-S18	LTM01-MW26-2-F18	LTM03-MW26-2-S19	CDE-OU3-BLSR1-MW26-3	CDE-OU3-BLSR2-MW26-3	LTM01-MW26-3-S18	LTM01-MW26-3-F18	LTM03-MW26-3-S19	CDE-OU3-BLSR1-MW26-4	CDE-OU3-BLSR2-MW26-4	LTM01-MW26-4-S18	LTM01-MW26-4-F18	LTM03-MW26-4-S19	CDE-OU3-BLSR1-MW26-5	CDE-OU3-BLSR2-MW26-5	LTM01-MW26-5-S18	LTM01-MW26-5-F18	LTM03-MW26-5-S19
Sample Date			20/01/2017	02/08/2017	4/19/2018	10/22/2018	6/6/2019	20/01/2017	02/08/2017	4/19/2018	10/22/2018	6/6/2019	20/01/2017	02/08/2017	4/19/2018	10/22/2018	6/6/2019	20/01/2017	02/08/2017	4/19/2018	10/22/2018	6/6/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	**48**	**20**	**79**	--	---	ND U	**17**	16 U	--	---	ND U	**19**	16 U	--	---	ND U	**18**	16 U	--	---
Arsenic	3	µg/L	**9.1**	**7.8**	**4.8**	--	---	**7.5**	**6.8**	**6.5**	--	---	**5.8**	**5.7**	**6.1**	--	---	**6.7**	**6.2**	**6.0**	--	---
Barium	2000	µg/L	**160**	**150**	**140**	--	---	**110**	**110**	**97**	--	---	**72**	**68**	**64**	--	---	**29**	**28**	**27**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	**1.0**	--	---	ND U	**1.1**	**1.0**	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	**80**	**34**	**80**	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	**1.4**	1 U	**2.2**	--	---	**1.1**	**3.0**	**1.2**	--	---	**1.1**	**2.6**	**2.8**	--	---	ND U	**1.2**	**2.5**	--	---
Manganese	50	µg/L	**340**	**170**	**110**	--	---	**50**	**23**	**19**	--	---	**42**	**29**	**21**	--	---	**7**	**12**	**14**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 UJ	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 UJ	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 UJ	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 UJ	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 UJ	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 UJ	---	--	--	---	0.025 U	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 UJ	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**1.3**	**1.3**	**0.83**	**1.0**	**1.0**	**1.7**	**1.5**	**1.1**	**1.6**	**1.6**	**1.6**	**1.5**	**1.3**	**1.6**	**1.8**	**0.76**	**0.67**	**0.56**	**0.67**	**0.72**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.2 J**	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.19 J**	**0.19 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	0.5 U	**0.09 J**	0.50 U	0.50 U	**0.099 J**	0.5 U	**0.038 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.044 J**	0.50 U	0.50 U	**0.066 J**	0.5 U	**0.051 J**	0.50 U	0.50 U	**0.077 J**
Bromodichloromethane	1	µg/L	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	**1.5**	**1.6**	**1.4**	**1.7**	< 0.50 U	**0.52**	**0.48 J**	0.50 U	**0.42 J**	< 0.50 U	**0.54**	**0.47 J**	0.50 U	**0.44 J**	< 0.50 U	**0.24 J**	**0.22 J**	0.50 U	**0.19 J**	< 0.50 U
cis-1,2-dichloroethene	70	µg/L	**12**	**10**	**8.2**	**9.5**	**8.8**	**4.9**	**3.6**	**3.1**	**3.4**	**3.3**	**6.2**	**5.3**	**4.6**	**6.0**	**5.7**	**0.3 J**	**0.3 J**	**0.26 J**	**0.31 J**	**0.28 J**
Methyl tert-butyl ether	70	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.15 J**	**0.11 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	0.5 U	**0.16 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.12 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	0.5 U	**0.051 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.03 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.027 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**5.7**	**6.1**	**4.4**	**4.7**	**5.2**	**5.4**	**4.9**	**4.6**	**5.0**	**5.2**	**5.6**	**5.9**	**5.1**	**5.9**	**6.2**	**1.6**	**1.4**	**1.2**	**1.3**	**1.4**
Vinyl chloride	1	µg/L	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.22 UJ	--	---	---	U	0.22 UJ	--	---	---	U	--	--	---	---	U	0.27 UJ	--	---
Aroclor 1232	N/A	µg/L	---	U	0.22 UJ	--	---	---	U	0.22 UJ	--	---	---	U	--	--	---	---	U	0.27 UJ	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.22 UJ	--	---	1 U	U	0.22 UJ	--	---	1 U	U	--	--	---	1 U	U	0.27 UJ	--	---
Aroclor 1248	0.5	µg/L	---	U	0.22 UJ	--	---	---	U	0.22 UJ	--	---	---	U	--	--	---	---	U	0.27 UJ	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.22 UJ	--	---	0.2 U	U	0.22 UJ	--	---	0.2 U	U	--	--	---	0.2 U	U	0.27 UJ	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.22 UJ	--	---	1 U	---	0.22 UJ	--	---	1 U	---	--	--	---	1 U	---	0.27 UJ	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

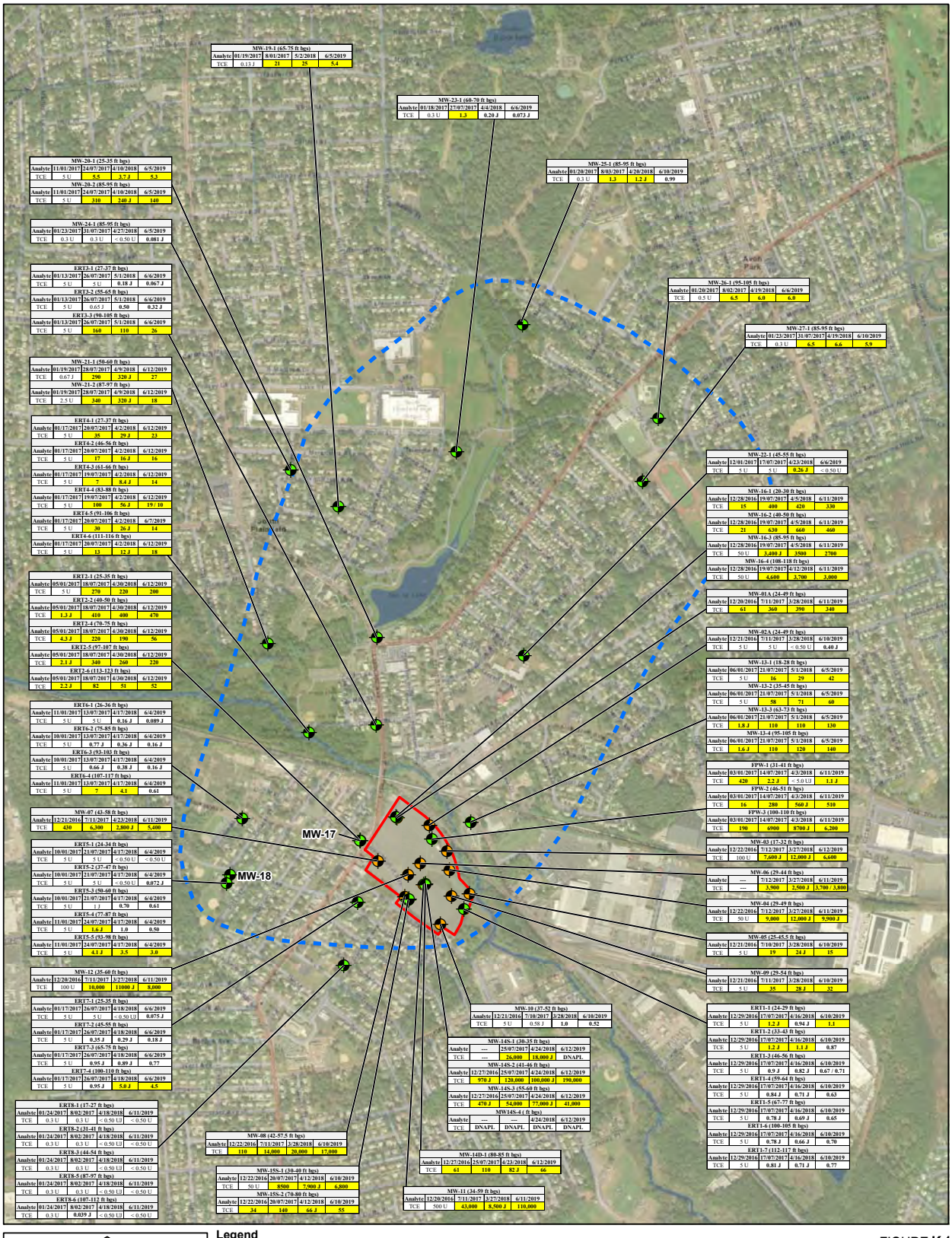
Location ID			MW-26-6	MW-26-6	MW-26-6	MW-26-6	MW-26-6	MW-27-1	MW-27-1	MW-27-1	MW-27-1	MW-27-1	MW-27-2	MW-27-2	MW-27-2	MW-27-2	MW-27-2	MW-27-3	MW-27-3	MW-27-3	MW-27-3	MW-27-3
Depth (ft)			455-465	455-465	455-465	455-465	455-465	85-95	85-95	85-95	85-95	85-95	180-190	180-190	180-190	180-190	180-190	225-235	225-235	225-235	225-235	225-235
Event			Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3	Baseline Round 1	Baseline Round 2	LTM Event 1	LTM Event 2	LTM Event 3
Sample Name			CDE-OU3-BLSR1-MW26-6	CDE-OU3-BLSR2-MW26-6	LTM01-MW26-6-S18	LTM01-MW26-6-F18	LTM03-MW26-6-S19	CDE-OU3-BLSR1-MW27-1	CDE-OU3-BLSR2-MW27-1	LTM01-MW27-1-S18	LTM01-MW27-1-F18	LTM03-MW27-1-S19	CDE-OU3-BLSR1-MW27-2	CDE-OU3-BLSR2-MW27-2	LTM01-MW27-2-S18	LTM01-MW27-2-F18	LTM03-MW27-2-S19	CDE-OU3-BLSR1-MW27-3	CDE-OU3-BLSR2-MW27-3	LTM01-MW27-3-S18	LTM01-MW27-3-F18	LTM03-MW27-3-S19
Sample Date			20/01/2017	02/08/2017	4/19/2018	10/22/2018	6/6/2019	23/01/2017	07/31/2017	4/19/2018	10/18/2018	6/10/2019	23/01/2017	07/31/2017	4/19/2018	10/18/2018	6/10/2019	23/01/2017	07/31/2017	4/19/2018	10/18/2018	6/10/2019
Analyte	**Project Action Limit (µg/L)**	**Units**																				
Metals																						
Aluminum	50	µg/L	**45**	**32**	16 U	--	---	**20**	**18**	**28**	--	---	ND U	16 U	16 U	--	---	ND U	16 U	16 U	--	---
Arsenic	3	µg/L	**7.0**	**6.4**	**6.5**	--	---	**2.5**	**1.9**	**1.9**	--	---	**3.2**	**3.0**	**3.1**	--	---	**6.5**	**6.1**	**6.5**	--	---
Barium	2000	µg/L	**22**	**21**	**20**	--	---	**230**	**240**	**220**	--	---	**250**	**260**	**260**	--	---	**250**	**270**	**250**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	**46**	20 U	20 U	--	---	**50**	**39**	**93**	--	---	**24**	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	**1.1**	**1.5**	**1.5**	--	---	**1**	**1.7**	**2.0**	--	---	ND U	1 U	1.0 U	--	---	**1.5**	**1.9**	**1.6**	--	---
Manganese	50	µg/L	**27**	**3**	**1.1**	--	---	**37**	**62**	**27**	--	---	**70**	**41**	**26**	--	---	**75**	**59**	**34**	--	---
Pesticides																						
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 UJ	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	0.025 UJ	---	--	--	---	**0.004 J**	---	--	--	---	**0.0036 J**	---	--	--	---	**0.0036 J**	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds																						
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**0.28 J**	**0.44 J**	**0.30 J**	**0.33 J**	**0.30 J**	**1.8**	**1.4**	**1.4**	**1.7**	**1.2**	**0.91**	**0.63**	**0.61**	**0.63**	**0.26 J**	**6.8**	**5.9**	**5.8**	**6.1**	**4.7**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.13 J**	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.72**	**0.63**	0.50 U	0.50 U	**0.62**
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	**0.034 J**	**0.019 J**	0.50 U	0.50 U	< 0.50 U	**0.084 J**	**0.084 J**	0.50 U	0.50 U	**0.15 J**	**0.054 J**	**0.063 J**	0.50 U	0.50 U	< 0.50 U	**0.096 J**	**0.15 J**	0.50 U	0.50 U	**0.20 J**
Bromodichloromethane	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	**0.016 J**	**0.01 J**	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Chloroform	70	µg/L	**0.26 J**	**0.31 J**	0.50 U	**0.25 J**	< 0.50 U	**2.4**	**2.4**	**3.2**	**3.5**	**3.6**	**1**	**0.86**	0.50 U	**0.88**	**0.64**	**1.6**	**1.3**	**1.6**	**1.3**	**1.3**
cis-1,2-dichloroethene	70	µg/L	**0.28 J**	**0.27 J**	**0.15 J**	**0.15 J**	**0.14 J**	**14**	**13**	**15**	**16**	**15**	**7.8**	**6.4**	**6.6**	**7.0**	**4.3**	**49**	**70 J**	**54**	**49**	**44**
Methyl tert-butyl ether	70	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	**0.17 J**	**0.19 J**	0.50 U	0.50 U	< 0.50 U	**0.28 J**	**0.25 J**	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	0.5 U	**0.14 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.12 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	**0.17 J**	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	**0.047 J**	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	**0.23 J**	0.3 U	**0.28 J**	**0.27 J**	**0.17 J**
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	**0.31 J**	0.5 U	0.5 U	0.50 U	0.50 U	**0.062 J**	**0.11 J**	**0.16 J**	**0.11 J**	**0.11 J**	**0.61**
Trichloroethene	1	µg/L	**0.48**	**0.66**	**0.44 J**	**0.50**	**0.47 J**	**6.8**	**6.5**	**6.6**	**7.6**	**5.9**	**5.2**	**4.4**	**4.4**	**4.5**	**2.1**	**31**	**46 J**	**39**	**30**	**23**
Vinyl chloride	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	**0.025 J**	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	**0.056 J**	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls																						
Aroclor 1221	N/A	µg/L	---	U	0.22 UJ	--	< 0.20 U	---	U	0.22 U	--	---	---	U	0.22 U	--	---	---	U	0.22 U	--	---
Aroclor 1232	N/A	µg/L	---	U	0.22 UJ	--	< 0.20 U	---	U	0.22 U	--	---	---	U	0.22 U	--	---	---	U	0.22 U	--	---
Aroclor 1242	N/A	µg/L	1 U	U	**0.18 J**	--	< 0.20 U	1 U	U	0.22 U	--	---	1 U	U	0.22 U	--	---	1 U	U	0.22 U	--	---
Aroclor 1248	0.5	µg/L	---	U	0.22 UJ	--	< 0.20 U	---	U	0.22 U	--	---	---	U	0.22 U	--	---	---	U	0.22 U	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.22 UJ	--	< 0.20 U	0.2 U	U	0.22 U	--	---	0.2 U	U	0.22 U	--	---	0.2 U	U	0.22 U	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.22 UJ	--	< 0.20 U	1 U	---	0.22 U	--	---	1 U	---	0.22 U	--	---	1 U	---	0.22 U	--	---

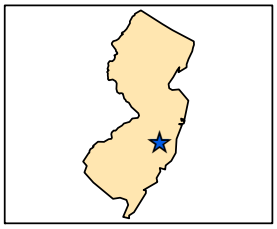
Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.

Table K-1 Groundwater Concentration Trends for Contaminants of Concern

		Location ID	**MW-27-4**	**MW-27-4**	**MW-27-4**	**MW-27-4**	**MW-27-4**	**MW-27-5**	**MW-27-5**	**MW-27-5**	**MW-27-5**	**MW-27-5**
		Depth (ft)	**370-380**	**370-380**	**370-380**	**370-380**	**370-380**	**460-470**	**460-470**	**460-470**	**460-470**	**460-470**
		Event	**Baseline Round 1**	**Baseline Round 2**	**LTM Event 1**	**LTM Event 2**	**LTM Event 3**	**Baseline Round 1**	**Baseline Round 2**	**LTM Event 1**	**LTM Event 2**	**LTM Event 3**
		Sample Name	**CDE-OU3-BLSR1-MW27-4**	**CDE-OU3-BLSR2-MW27-4**	**LTM01-MW27-4-S18**	**LTM01-MW27-4-F18**	**LTM03-MW27-4-S19**	**CDE-OU3-BLSR1-MW27-5**	**CDE-OU3-BLSR2-MW27-5**	**LTM01-MW27-5-S18**	**LTM01-MW27-5-F18**	**LTM03-MW27-5-S19**
		Sample Date	**23/01/2017**	**07/31/2017**	**4/19/2018**	**10/18/2018**	**6/10/2019**	**23/01/2017**	**07/31/2017**	**4/19/2018**	**10/18/2018**	**6/10/2019**
Analyte	**Project Action Limit (µg/L)**	**Units**										
Metals												
Aluminum	50	µg/L	ND U	16 U	16 U	--	---	**18**	**25**	16 U	--	---
Arsenic	3	µg/L	**7.5**	**7.0**	**6.9**	--	---	**5.7**	**5.2**	**5.3**	--	---
Barium	2000	µg/L	**35**	**33**	**31**	--	---	**36**	**34**	**33**	--	---
Cadmium	4	µg/L	ND U	1 U	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Chromium	70	µg/L	ND U	**1**	1.0 U	--	---	ND U	1 U	1.0 U	--	---
Iron	300	µg/L	ND U	20 U	20 U	--	---	ND U	20 U	20 U	--	---
Lead	5	µg/L	ND U	1 U	1.0 U	--	---	**3**	**1.6**	**2.8**	--	---
Manganese	50	µg/L	**55**	**52**	**38**	--	---	**45**	**25**	**25**	--	---
Pesticides												
4,4-DDD	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDE	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---
4,4-DDT	0.1	µg/L	0.03 U	---	--	--	---	0.03 U	---	--	--	---
Beta-BHC	0.04	µg/L	0.01 U	---	--	--	---	0.01 U	---	--	--	---
Dieldrin	0.03	µg/L	0.02 U	U	--	--	---	0.02 U	U	--	--	---
Endosulfan II	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Endosulfan sulfate	40	µg/L	0.05 U	---	--	--	---	0.05 U	---	--	--	---
Gamma-BHC Lindane	0.03	µg/L	0.01 U	U	--	--	---	0.01 U	U	--	--	---
gamma-Chlordane	0.5	µg/L	0.025 U	---	--	--	---	0.025 U	---	--	--	---
Heptachlor	0.05	µg/L	0.02 U	---	--	--	---	0.02 U	---	--	--	---
Heptachlor epoxide	0.2	µg/L	**0.0073 J**	---	--	--	---	**0.0034 J**	---	--	--	---
Methoxychlor	40	µg/L	0.25 U	---	--	--	---	0.25 U	---	--	--	---
Volatile Organic Compounds												
1,1,2-trichloroethane	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,1-dichloroethene	1	µg/L	**2.9**	**2.6**	**3.3**	**2.8**	**1.7**	**0.67**	0.34 U	**0.49 J**	**0.37 J**	**0.33 J**
1,2,4-trichlorobenzene	9	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,2-dichloroethane	2	µg/L	0.5 U	**0.32 J**	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
1,4-dichlorobenzene	75	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Benzene	1	µg/L	**0.038 J**	**0.066 J**	0.50 U	0.50 U	**0.14 J**	**0.038 J**	**0.055 J**	0.50 U	0.50 U	**0.067 J**
Bromodichloromethane	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Chlorobenzene	50	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	**0.050 J**	0.5 U	0.5 U	0.50 U	0.50 U	**0.038 J**
Chloroform	70	µg/L	**1.3**	**1.1**	**1.3**	**1.3**	**0.97**	**0.32 J**	0.5 U	0.50 U	**0.19 J**	**0.18 J**
cis-1,2-dichloroethene	70	µg/L	**6.3**	**6.8**	**9.3**	**8.0**	**7.3**	**0.66**	**0.86**	**1.1**	**1.2**	**2.1**
Methyl tert-butyl ether	70	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Methylene Chloride	3	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Tetrachloroethene	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	**0.046 J**	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
trans-1,2-dichloroethene	100	µg/L	0.5 U	0.5 U	0.50 U	0.50 U	**0.11 J**	0.5 U	0.5 U	0.50 U	0.50 U	< 0.50 U
Trichloroethene	1	µg/L	**8.9**	**9.3**	**12**	**9.3**	**6.1**	**0.75**	0.37 U	**0.31 J**	**0.22 J**	**0.23 J**
Vinyl chloride	1	µg/L	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U	0.3 U	0.3 U	0.50 U	0.50 U	< 0.50 U
Polychlorinated Biphenyls												
Aroclor 1221	N/A	µg/L	---	U	0.22 U	--	---	---	U	0.22 U	--	---
Aroclor 1232	N/A	µg/L	---	U	0.22 U	--	---	---	U	0.22 U	--	---
Aroclor 1242	N/A	µg/L	1 U	U	0.22 U	--	---	1 U	U	0.22 U	--	---
Aroclor 1248	0.5	µg/L	---	U	0.22 U	--	---	---	U	0.22 U	--	---
Aroclor 1254	0.5	µg/L	0.2 U	U	0.22 U	--	---	0.2 U	U	0.22 U	--	---
Aroclor 1260	N/A	µg/L	1 U	---	0.22 U	--	---	1 U	---	0.22 U	--	---

Notes:
Project Action Limits are based on Preliminary Remediation Goals.
U =The analyte was not detected at or above the Reporting Limit..
J =The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits.





Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- Shallow Bedrock Monitoring Well
- FLUTe Well

Analyte	PALs
TCE	1

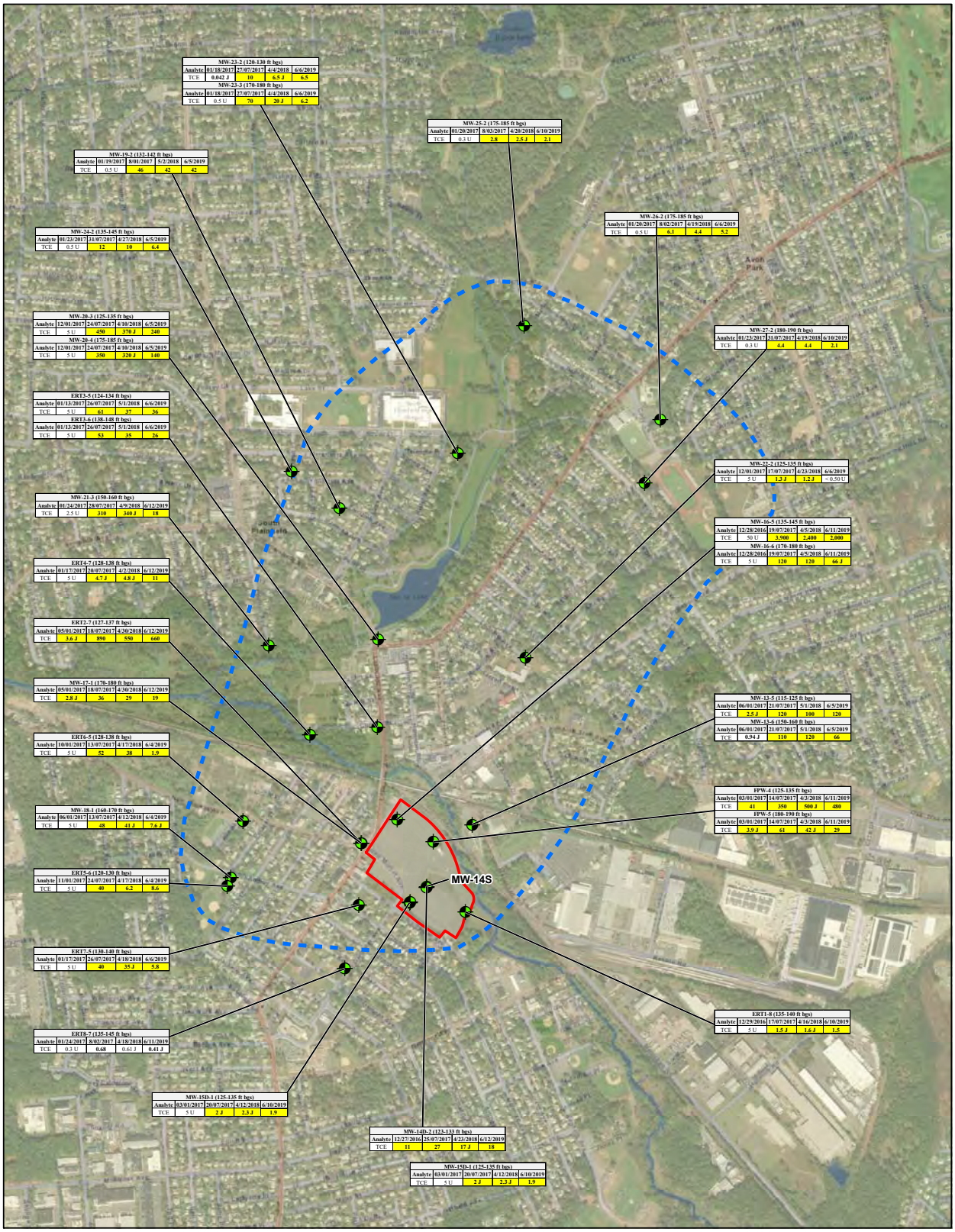
Notes:
PAL = Project Action Limit
TCE = Trichloroethene
U = The analyte was not detected at or above the Reporting Limit..
J = The identification of the analyte is acceptable; the reported value is an estimate.
J+ = The analyte was positively identified; the associated numerical value is anapproximate concentration of the analyte, but may be biased high.
J- = Analyte present. Reported value may be biased low. Actual value is expected to be higher. (USEPA Validation Qualifier)
N = Presumptive evidence of a compound.
R = Rejected.
JEMPC = Reported analyte concentration has been reported as Estimated Maximum Possible concentration
Bold values were detected at concentrations at or above the Reporting Limit.
Highlighted values meet or exceed Project Action Limits

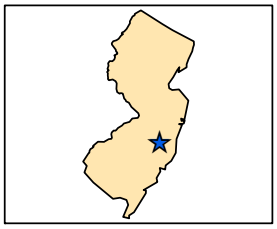
0 1,000 2,000
Feet
1 in = 1,000 ft

N

FIGURE **K-1**
SHALLOW GROUNDWATER (0-120 ft bgs)
TRICHLOROETHENE CONCENTRATIONS

Map Date: 9/16/2019
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet





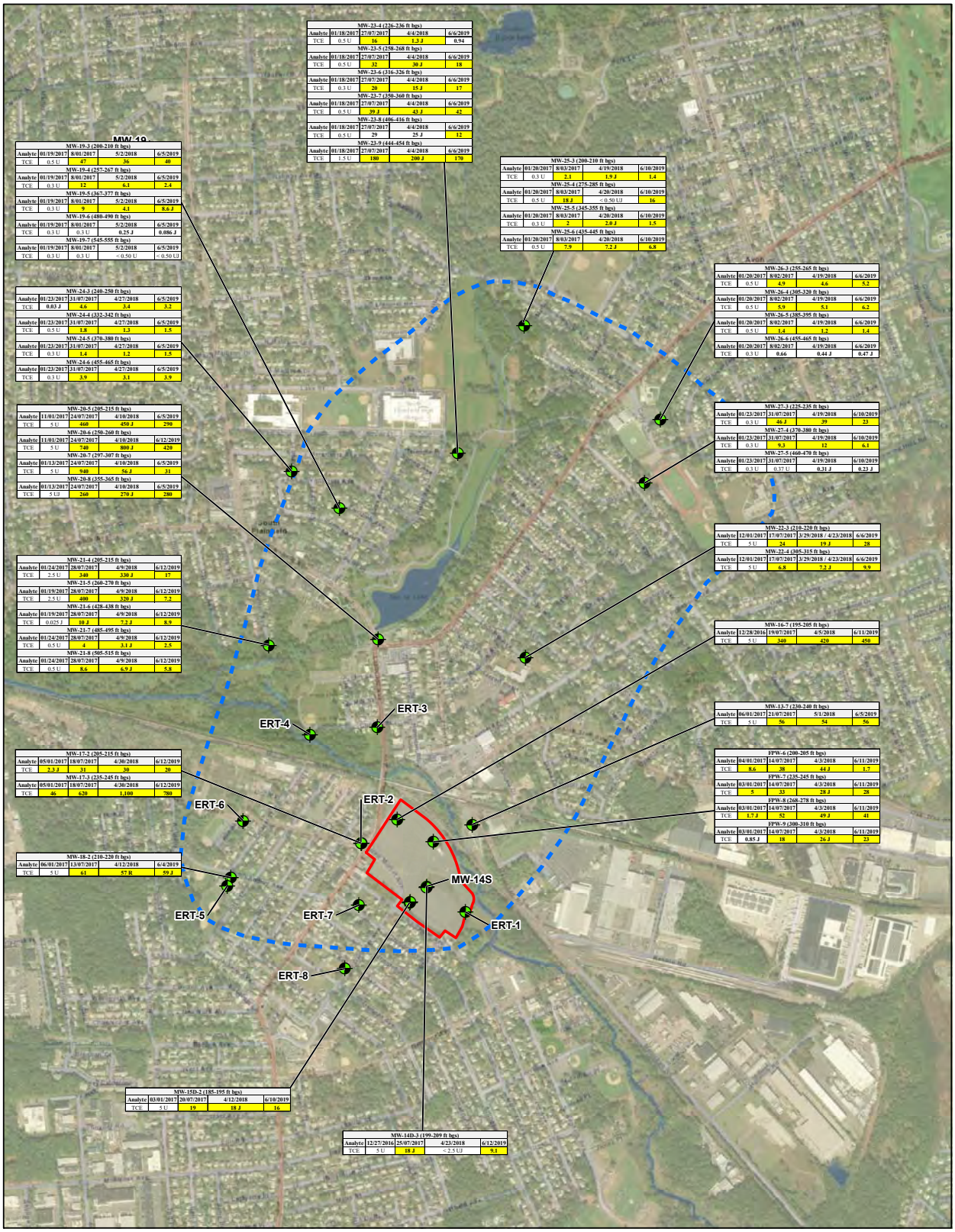
Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- FLUTe Well

FIGURE **K-2**
INTERMEDIATE GROUNDWATER (120-185 ft bgs)
TRICHLOROETHENE CONCENTRATIONS

Map Date: 9/16/2019
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

0 1,000 2,000
Feet
1 in = 1,000 ft
N



Legend

- Former CDE Facility Boundary (OU2)
- OU3 Study Area
- FLUTe Well

0 1,000 2,000
Feet

1 in = 1,000 ft

N

FIGURE **K-3**
DEEP GROUNDWATER (>200 ft bgs)
TRICHLOROETHENE CONCENTRATIONS

Map Date: 9/16/2019
Projection: NAD 1983 State Plane New Jersey FIPS 2900 Feet

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