

OBG

FINAL REPORT

2016 Annual Groundwater Monitoring Report

**Dewey Loeffel Landfill Superfund Site
CERCLA Index No. 02-2012-2005
Nassau, New York**

**General Electric Company/SI Group, Inc.
Albany, New York**

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1. INTRODUCTION

The Dewey Loeffel Landfill (Landfill) is located at 350 Mead Road in the Town of Nassau, Rensselaer County, New York. The Landfill is listed on the Registry of Inactive Hazardous Waste Disposal Sites as a Class 2 site (Site No. 442006). The New York State Department of Environmental Conservation (NYSDEC) referred the Dewey Loeffel Landfill to the United States Environmental Protection Agency (USEPA) and issued a letter supporting its placement on the National Priorities List (NPL). USEPA proposed the Dewey Loeffel Landfill Superfund Site (Site) for inclusion on the NPL on March 4, 2010, and the Site was subsequently added to the NPL on March 10, 2011. A more detailed summary of the site background is included in the *Site Characterization Summary Report* (SCSR) (O'Brien & Gere Engineers, Inc. [OBG], 2014).

Monitoring of groundwater outside the Landfill has been performed on a semi-annual basis since October 1998. This sampling was performed through the Spring 2013 sampling event in accordance with the NYSDEC-approved *Loeffel Environs Groundwater Monitoring Plan* [GeoTrans, Inc. (GeoTrans), 2008, as revised] and the corresponding addendum (GeoTrans, 2009). Beginning with the Fall 2013 sampling event, the groundwater monitoring has been performed by OBG in accordance with the *Design Report/Implementation Plan* (DR/IP) prepared by ARCADIS of New York, Inc. (ARCADIS U.S., Inc. [ARCADIS], 2014). The DR/IP was submitted to USEPA pursuant to the Administrative Settlement Agreement and Order on Consent for Removal Action (CERCLA Index No. 02-2012-2005) (Removal Order) executed by USEPA, the General Electric Company (GE) and SI Group, Inc. (SI Group) (GE and SI Group are referred to collectively herein as Respondents).

The groundwater monitoring plan is included as Attachment B of Appendix J of the DR/IP. Respondents have revised Appendix J of the DR/IP in response to comments received by USEPA on various occasions. The following modifications have been made to the groundwater monitoring program in response to USEPA's comments:

- Maintaining the current annual sampling frequency of five monitoring wells (OMW-103, OMW-202, OMW-218, OMW-222 and OMW-223) until the completion of the current Remedial Investigation/Feasibility Study (RI/FS) being conducted for the Landfill and Groundwater portions of the Site. Upon completion of the RI/FS, the monitoring frequency of these five wells will be reevaluated.
- Reducing the sampling frequency of one monitoring well, OMW-212, from annual to biennial because results from this monitoring well have been is non-detect.
- Modifying the 1,4-dioxane sampling frequency of one monitoring well, OMW-204, from "to be determined" (TBD) to annual or none, following the evaluation of initial sampling results.
- Adding the sampling frequency of the five open deep bedrock boreholes EPA-1 through EPA-5 upon completion into multi-level monitoring wells per the USEPA-approved *Appendix G Summary Report* (OBG, 2015a).
- Modifying the submittal date of this report to March 31st of the following year.
- Using the laboratory and field/analytical procedures currently being used for the RI/FS for the Landfill and Groundwater components of the Site for the sampling conducted under the groundwater monitoring plan.
- Adding a statement in the Removal Order Monthly Progress Report (MPR) that the groundwater monitoring program activities performed by OBG will be discussed in the MPR for the RI/FS for the Landfill and Groundwater portions of the Site.

While Appendix J of the DR/IP has not yet been formally approved by USEPA, the groundwater monitoring plan provided in Attachment B to Appendix J of the DR/IP dated December, 2014 was followed during the 2016 sampling events. Additional groundwater monitoring was also conducted as outlined in Appendix H of the DR/IP. Groundwater monitoring activities for the 2016 sampling events are summarized in this report.

In addition to the semi-annual sampling of groundwater monitoring wells, samples were collected by ARCADIS in 2016 on a quarterly basis from the eight existing extraction wells (designated EW-1 through EW-8). One

sample was also collected from the leachate collection tank (LCT) in March 2016; low water levels later in the year prevented additional LCT sampling events. Samples were also collected by ARCADIS in 2016 from the residential wells equipped with point of use (POU) treatment systems, and also from select residential wells without POU treatment systems. The results of the extraction well, LCT and residential well sampling performed by ARCADIS are also summarized herein.

2. REMEDIAL SYSTEM OPERATIONS

2.1. LEACHATE COLLECTION SYSTEM

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

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

Summaries of the annual and cumulative leachate removal volumes are presented in Tables 2-1 and 2-2, and Figures 2-1 and 2-2, respectively. Leachate removal began in 1991, and has since continued, with the exception of 1994 when no leachate was removed. In 2016, approximately 6,010 gallons of leachate were removed, bringing the cumulative total volume of leachate removed from the LCT to approximately 6,978,600 gallons. Significantly less leachate was removed in 2016 because of low water levels in the Landfill for much of the year.

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

The results of the VOC mass removal estimates for the LCT on an annual and cumulative basis are provided on Tables 2-3 and 2-4, respectively, in pounds and also as a percent of the total mass removed. Figures 2-3 and 2-4 represent the annual and cumulative mass of BTEX, CVOCs and chlorobenzene removed, respectively. As expected, VOC removal rates vary from year to year as the volume of leachate removed also varies from year to year. Approximately 0.5 pounds of VOCs were removed in 2016. Significantly less VOCs were removed in 2016 because the water level elevation in the Landfill was below the invert elevation of the drain pipes and LCT inlet for much of the year, as discussed above. As of the end of December 2016, a total of approximately 3,379 pounds of VOCs have been removed from the containment system through use of the leachate collection system.

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

28%. Chlorobenzene accounts for approximately 12% and the other BTEX compounds and CVOCs account for the remaining 11%.

2.2. GROUNDWATER EXTRACTION SYSTEM

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

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

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

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

Beginning in late March 2008 and through 2010, NYSDEC extracted groundwater from EW-1, EW-2 and EW-3 on a seasonal basis, operating during the spring, summer and fall months. Operation of the groundwater extraction system by NYSDEC did not resume after the Fall 2010 shutdown until July 2011. USEPA took over operation of the groundwater extraction system from NYSDEC on October 31, 2011, and winterized the system to allow for year-round operation. Pursuant to the Removal Order, the Respondents assumed responsibility for continued operation of the leachate and groundwater extraction systems on August 1, 2012. Leachate and extracted groundwater was transported off-site prior to start-up of the treatment system in December 2013.

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

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

Summaries of the annual and cumulative volumes of groundwater extracted from each of the eight extraction wells (EW-1 through EW-8) are presented on Tables 2-1 and 2-2, and Figures 2-5 and 2-6, respectively. Approximately 2,961,000 gallons of groundwater were pumped from the extraction wells in 2016.

Approximately 11,719,000 gallons of groundwater have been extracted and transported off-site or treated and discharged from the treatment system since operation of the first three extraction wells began in March 2008. The effective pumping rates in 2016 for EW-1, EW-2 and EW-3, EW-4, EW-5, EW-6, EW-7 and EW-8 were approximately 0.7, 1.2, 1.0, 0.5, 0.6, 0.5, 0.5 and 0.5 gallons per minute (gpm), respectively.

During operation of the groundwater extraction system, samples have been collected from the eight extraction wells on a periodic basis for laboratory analysis for VOCs and other parameters. In addition, sampling activities outlined in the Start-Up Plan in Appendix H of the DR/IP were completed in 2016. The results of these analyses and the groundwater withdrawal estimates for each extraction well have been used to estimate the mass of VOCs removed from each extraction well. Similar to the mass removal calculations for the leachate from the LCT, the mass removal calculations for the groundwater extraction system have been estimated and reported for the nine dominant VOCs detected in the groundwater samples, namely BTEX compounds, CVOCs and chlorobenzene. Due to the relatively low concentrations of the remaining VOCs detected in groundwater, they are not included in this evaluation.

The results of the VOC mass removal estimates for each of the groundwater extraction wells on an annual and cumulative basis are provided on Tables 2-5 and 2-6, respectively, in pounds and also as a percent of the total mass. Figures 2-7 and 2-8 present the annual and cumulative mass of BTEX, CVOCs and chlorobenzene removed for each year the groundwater extraction system has been in operation. Tables 2-7 and 2-8 present a summary of the mass of VOCs removed by the groundwater extraction system on an annual and cumulative basis, respectively, in pounds and also as a percent of the total mass. As anticipated, the mass of VOCs removed varies from year to year in response to variation in the volume of groundwater extracted. Approximately 1,120 pounds of VOCs were removed from the extraction wells in 2016, bringing the total mass of VOCs removed from the extraction wells to approximately 3,380 pounds.

As shown on Figure 2-7, the introduction of the five new extraction wells has resulted in a greater proportion of BTEX and chlorobenzene in the total VOC removal by the groundwater extraction system. Of the mass of VOCs removed in 2016 from the extraction wells, 63% was BTEX and 6% was chlorobenzene, with CVOCs accounting for the remaining 31%. In contrast, from March 2008 (when operation of the initial extraction wells began) through 2014 (before the new extraction wells were put into operation), BTEX and chlorobenzene accounted for approximately 44% and 4%, respectively, of the VOCs removed; CVOCs accounted for approximately 52% of the VOCs removed through 2014.

As shown on Table 2-7, CVOCs were the dominant VOCs removed from extraction wells EW-1 and EW-2 in 2016, followed by BTEX and chlorobenzene. TCE is the primary VOC in both EW-1 and EW-2. These two extraction wells have similar chemical signatures with an average of 81% CVOCs, 17% BTEX and 2% chlorobenzene. Unlike EW-1 and EW-2, BTEX is the primary VOC in EW-3, EW-4, EW-5, EW-6 and EW-7, followed by CVOCs and chlorobenzene. Further, cis-1,2-DCE is the predominant CVOC in these five extraction wells, rather than TCE. Extraction wells EW-3, EW-4, EW-5, EW-6 and EW-7 have similar chemical signatures with an average of 81% BTEX, 12% CVOCs and 7% chlorobenzene. EW-8 has a slightly different chemical signature, comprising approximately 95% BTEX, 5% chlorobenzene and <1% CVOCs.

As shown on Table 2-8, EW-2 accounts for the highest percentage of cumulative mass removed by the extraction wells, at approximately 52% of the total mass removed, due to its long period of operation (versus the five new extraction wells) and its higher flow rate (versus EW-1 and EW-3). The cumulative mass of VOCs removed from extraction well EW-2 since its operation began in late March 2008 through December 2016 is approximately 1,758 pounds. As shown on Table 2-8, the extraction wells with the second and third highest cumulative mass removed are EW-6 and EW-3, with approximately 439 and 425 pounds removed, respectively, which represent 13% each of the cumulative mass removed by the groundwater extraction system. The mass of VOCs removed from the remaining five extraction wells account for the remaining 22%, with EW-1 and EW-7 accounting for approximately 15% of the cumulative mass removed by the groundwater extraction system.

3. GROUNDWATER ELEVATIONS

A conceptual model of the hydrogeologic system at the Landfill and in the area of the bedrock VOC plume has been developed based on information obtained during various investigations performed at the Site. The conceptual model includes two hydrogeologic units: the overburden materials and the bedrock unit. The bedrock hydrogeologic unit at the Site has historically been divided into shallow bedrock and deep bedrock based on the completion depths of the monitoring wells installed during the various investigations. The shallow bedrock has included the more weathered portion of the Nassau Formation and seems to comprise the upper 100 feet of the bedrock, the uppermost portion of which occasionally includes clay from the in-place weathering of the bedrock. The deep bedrock has included all of the bedrock below the shallow bedrock. While there appears to be no geologic basis to distinguish between the shallow and deep bedrock units, there may be hydraulic differences. For example, the heat pulse vertical flow meter data generated during USEPA's Interim Supplemental Site Investigation (ISSI) [Lockheed Martin Information Systems & Global Solutions (Lockheed Martin), 2012] indicated very little flow in the deeper portions of the boreholes installed by USEPA, due to the low hydraulic conductivity of the bedrock and/or little vertical variation in hydraulic head.

Based on previous mapping efforts of the overburden water table inside the containment system, the groundwater flows in a westerly direction, ultimately reaching the cut-off wall which impedes lateral flow due to the low permeability of the wall. Vertical hydraulic gradients in the central and western portion of the Landfill are downward, resulting in a component of groundwater flow downward into the bedrock.

Based on previous mapping efforts of the bedrock potentiometric surface, groundwater flow under isotropic conditions (*i.e.*, where aquifer properties are the same regardless of the direction of measurement) would be to the west in the area near the Landfill, and to the west-southwest in the area south of the Landfill. However, based on the distribution of VOCs in bedrock groundwater, anisotropic conditions, which often occur in bedrock due to fractures, faults and folds in the bedrock, appear to dominate, resulting in groundwater flow to the south and south-southwest.

3.1. SEMI-ANNUAL WATER LEVEL MEASUREMENTS

Water level measurements were obtained from the 24 monitoring wells outside the Landfill and five open, deep bedrock boreholes (EPA-1, EPA-2, EPA-3, EPA-4 and EPA-5) on May 16 and October 17, 2016 and are presented in Tables 3-1 and 3-2, respectively. Water level measurements obtained from OMW-204 are suspect due to an obstruction in the well (*i.e.*, suspected formation collapse). Monitoring well OMW-219 is damaged (*i.e.*, broken riser pipe), however water level measurements were still able to be obtained. Water level measurements were obtained under pumping conditions.

3.2. QUARTERLY FLUID MONITORING

In accordance with Section 2.2.2 of the *Pump and Truck Work Plan* (ARCADIS, 2012), fluid level measurements [*i.e.*, groundwater and/or non-aqueous phase liquid (NAPL), where present] were obtained from 48 monitoring wells located inside the perimeter fence of the Landfill on a quarterly basis. Fluid level measurements were obtained on March 4, May 16, August 10, and October 17, 2016 and are presented in Appendix A.

3.3. EXTRACTION WELL START-UP HYDRAULIC MONITORING

As presented in Section 2.1 of Attachment B of Appendix J of the DR/IP, water levels were obtained from 24 monitoring wells outside the Landfill and five open, deep bedrock boreholes (EPA-1, EPA-2, EPA-3, EPA-4 and EPA-5) on a monthly basis for a 12-month period (*i.e.*, July 2015 through June 2016) beginning with the start-up of the new extraction wells. Monthly water level measurements obtained from January to June 2016 are presented in Appendix B. The monthly water level measurements from July to December 2015 were presented in the *2015 Annual Groundwater Monitoring Report* (OBG, 2016).

4. GROUNDWATER MONITORING

4.1. GENERAL

Groundwater samples were obtained by OBG on a semi-annual basis in 2016, with sampling events on May 17, 2016 and from October 18 through 20, 2016; sampling activities are discussed further in Section 4.2. Tables 4-1 and 4-2 detail which monitoring wells were sampled during the 2016 groundwater sampling events and which analyses were performed on those samples. The final field parameters measured at each monitoring well during the Spring and Fall 2016 sampling events are summarized in Tables 4-3 and 4-4, respectively.

Groundwater samples were analyzed for VOCs using USEPA SW-846 Method 8260C and 1,4-dioxane using USEPA SW-846 Method 8270D selected ion monitoring (SIM) for both sampling events. Pace Analytical Services (Pace) of Schenectady, New York subcontracted the VOC analysis to their laboratory in Melville, New York, while ALS Environmental (ALS) of Rochester, New York performed the 1,4-dioxane analysis. Upon receipt of the groundwater data, a data quality review was performed and is summarized in Section 4-3. The groundwater data are discussed in Section 4.4. The detected constituents for the groundwater samples are summarized in Tables 4-5 through 4-8. The constituents detected through time at each of the monitoring wells included in the groundwater monitoring program, are summarized in Appendix C. The field sampling logs and chains-of-custody forms are provided in Appendix D.1 through D.4, and laboratory reporting sheets are provided in Appendix E.1 and E.2.

Extraction wells EW-1 through EW-8 were sampled quarterly in 2016. In addition, as discussed in Section 4.5, start-up activities were concluded in 2016 with the sampling of extraction well EW-7 in January 2016. These sampling events were conducted by ARCADIS and are discussed further in Section 4.5. Table 4-9 summarizes the analytical results of the samples collected in 2016 from the existing and new extraction wells. The laboratory reporting sheets are provided in Appendix F.1.

Only one sample was collected from the leachate collection system in 2016 due to low water levels in the Landfill for much of the year. The sampling was conducted by ARCADIS and is discussed in Section 4.6. Table 4-10 summarizes the analytical results of the LCT sample. The laboratory reporting sheets are provided in Appendix F.2.

ARCADIS also collected samples on a quarterly basis in 2016 from the residential POU treatment systems using the sampling procedures presented in Attachment A of Appendix J of the DR/IP. The results for the treatment system influent samples (*i.e.*, the discharge from the residential well pumps) are discussed further in Section 4.7. Table 4-11 summarizes the results of the influent samples for the residential POU treatment systems.

4.2. GROUNDWATER SAMPLING

Monitoring wells were sampled on May 17, 2016, and from October 18 through 20, 2016 in accordance with Appendix A of the *Quality Assurance Project Plan* (QAPP) and subsequent addenda (ARCADIS, 2013, 2015 and 2016). Monitoring wells were sampled using low-flow sampling methods, with the exception of OMW-221, which is an artesian well. During low-flow purging, field parameters, including temperature, pH, specific conductance, oxidation-reduction potential (ORP), dissolved oxygen (DO) and turbidity were measured and recorded at three to five minute intervals using a flow-through cell. Purging was terminated when the field parameters stabilized for three consecutive readings as follows:

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

Summaries of the final field parameters from each monitoring well are provided in Tables 4-3 and 4-4 for the Spring and Fall 2016 events, respectively, while the field sampling sheets are provided in Appendices D.1 and

D.3. After stabilization, the flow-through cell was disconnected and groundwater samples were collected in laboratory-provided sample containers. Samples were preserved in a cooler containing wet ice, and were transported under chain-of-custody to the laboratory for analysis. Copies of the chain-of-custody forms are provided in Appendices D.2 and D.4.

4.3. DATA QUALITY REVIEW

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

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

- "U" Indicates that the sample was analyzed, but the compound of interest was not detected. The sample reporting limits or practical quantitation limits (PQLs) are, therefore, presented followed by the "U" notation.
- "J" Indicates that the detected concentration should be considered an estimated value. The decision to add the "J" qualifier is based on the quantitative criteria contained in data validation guidelines. The identity of the analyte is not brought into question. However, the "J" qualifier results in a loss of confidence in the accuracy of the detected concentration, and, therefore is presented as an estimated value. The "J" qualifier is also applied to concentrations detected above the method detection limit, but below the PQL.
- "UJ" Indicates that the PQL should be considered approximate. The decision to add the "UJ" qualifier is based on the quantitative criteria contained in data validation guidelines. The identity of the analyte is not brought into question. However, the "UJ" qualifier results in a loss of confidence in the accuracy of the PQL, and, therefore is presented as approximate.

For both of the groundwater sampling events performed in 2016, 100% of the data are considered usable for qualitative and quantitative purposes based on the data quality review. The Spring 2016 data were not qualified, while approximately six percent of the Fall 2016 data were qualified as discussed in Appendix G.

4.4. GROUNDWATER QUALITY

As shown on Tables 4-1 and 4-2, groundwater samples were collected from up to 13 monitoring wells during the semi-annual sampling events and analyzed for VOCs and 1,4-dioxane.

Five monitoring wells included in the groundwater monitoring program could not be sampled during the Spring and/or Fall 2016 groundwater sampling events. Overburden monitoring well OMW-211 and bedrock monitoring wells OMW-204 (both located outside the Landfill along the southern portion of the southwestern edge) were dry at the time of sampling, as they have been for the past several years. OMW-204 is obstructed (*i.e.*, suspected formation collapse). Overburden monitoring well OMW-101, located outside the Landfill at the middle of the southwestern edge, and monitoring well OMW-213, a bedrock monitoring well located outside the Landfill in the vicinity of extraction wells EW-3 and EW-5, were also dry at the time of sampling. Lastly, as described in prior documents, monitoring well OMW-219, a bedrock monitoring well located outside the Landfill to the southwest, is damaged (*i.e.*, suspected borehole collapse resulting in a broken riser pipe) and no samples could be collected from this location.

4.4.1. Volatile Organic Compound Analyses

The detected VOCs for the Spring and Fall 2016 groundwater sampling events are summarized on Tables 4-5 and 4-7, respectively.

Trend graphs showing the historical concentrations of BTEX, CVOCs and chlorobenzene in overburden monitoring wells OMW-101 and OMW-107 are presented on Figures 4-1 and 4-2, respectively. As discussed above, monitoring well OMW-101 was dry at the time of sampling so a sample was not collected from this well in 2016. Monitoring well OMW-107, located north of Mead Road along the western portion of the northern edge of the Landfill, is sampled biennially and was not sampled in 2016.

The discussion below focuses on bedrock groundwater quality and is broken into three sections: BTEX, CVOCs and chlorobenzene. Monitoring well OMW-218, located outside the Landfill at the middle of the southwestern edge, and monitoring wells OMW-222 and OMW-223, located along Central Nassau Road, did not have detected concentrations of BTEX, CVOCs or chlorobenzene in 2016, which is consistent with recent and/or historical results. These three monitoring wells are therefore not included in the discussion below, and trend graphs are not provided.

BTEX

As shown on Figure 4-3, BTEX was primarily detected in bedrock wells to the south and southwest of the Landfill. The highest concentrations of BTEX were detected near the edge of the Landfill with decreasing concentrations to the south. The maximum concentration of BTEX detected was 28,225 µg/L in OMW-201, a shallow bedrock well located outside the Landfill near the middle of the southwestern edge. The majority of the BTEX detected in 2016 was benzene, as discussed below.

As shown on Figures 4-4 through 4-6, benzene has consistently been detected in shallow bedrock monitoring wells OMW-102 and OMW-201 and in deep bedrock monitoring well OMW-215. Concentrations of benzene varied in monitoring well OMW-102 in the past 10 years, ranging from 2.95 µg/L in Fall 2012 to 4,850 µg/L in Fall 2013. Concentrations of benzene were consistently detected between 10,000 µg/L and 100,000 µg/L in monitoring well OMW-201. Benzene was consistently detected at concentrations one to two orders of magnitude lower in deep bedrock monitoring well OMW-215. As shown on Figures 4-7 and 4-8, benzene has also been consistently detected in shallow bedrock monitoring wells OMW-213¹ and OMW-205, which are located south of the Landfill in the vicinity of extraction wells EW-3 and EW-5; however, concentrations decrease as the distance from the Landfill increases. In addition, benzene was detected in shallow bedrock monitoring well OMW-202 for the second consecutive year; OMW-202 is located along the southern portion of the southwestern edge of the Landfill, and benzene had not been detected in OMW-202 since 2004. Benzene was also detected in intermediate bedrock monitoring well OMW-214 for the first time since 2010 and in intermediate bedrock monitoring well OMW-216 for the second time since 2012. OMW-214 and OMW-216 are located east of extraction well EW-2, and the benzene concentrations in 2016 were consistent with the prior historical results.

As shown on Figure 4-5, toluene, ethylbenzene, m&p-xylenes and o-xylene have been consistently detected in monitoring well OMW-201. As shown on Figure 4-6, toluene has been consistently detected in monitoring well OMW-215, while m&p-xylenes were detected in 2014 for the first time in eight years, but were not detected since 2014. Ethylbenzene has been detected sporadically in monitoring wells OMW-215 and OMW-102 as shown on Figures 4-4 and 4-6. m&p- and o-Xylenes have not been detected in wells OMW-102 and OMW-205 within the past ten years.² Toluene was detected in monitoring well OMW-103 for the first time in 20 years at a concentration less than 10 µg/L; OMW-103 is a shallow bedrock well located immediately south of the Landfill.

Consistent with recent results, monitoring wells OMW-212 (located outside the Landfill at the middle of the southwestern edge) and OMW-221 (located to the south of Central Nassau Road) did not have detected concentrations of BTEX in 2016.

¹ Monitoring well OMW-213 was dry at the time of sampling, so a sample was not collected from this monitoring well in 2016.

² m&p- and o-Xylenes have also not been detected in OMW-213 within the past 10 years.

Chlorinated VOCs

As shown on Figure 4-9, CVOCs were primarily detected in bedrock wells to the south of the Landfill. The highest concentration of CVOCs was detected at shallow bedrock monitoring well OMW-205 at a concentration of 8.3 µg/L. Concentrations of CVOCs generally consist of TCE and cis-1,2-DCE, with sporadic detections of vinyl chloride, as discussed below.

As shown on Figure 4-7, TCE and cis-1,2-DCE were detected consistently in the past eight years in monitoring well OMW-213³, with TCE concentrations exceeding cis-1,2-DCE concentrations; vinyl chloride was detected sporadically. Conversely, as shown in Figure 4-8, only cis-1,2-DCE was detected consistently in monitoring well OMW-205; vinyl chloride and TCE were detected sporadically, with the vinyl chloride concentrations exceeding the TCE concentrations. These two shallow bedrock wells are located south of the Landfill to the west and east of extraction well EW-3, respectively. Vinyl chloride was detected at concentrations below 5 µg/L twice in the past three years in shallow bedrock monitoring well OMW-201; these are the first detected concentrations of vinyl chloride in this monitoring well. Cis-1,2-DCE was also detected in monitoring well OMW-201 in Fall 2013 for the first time in eight years, but has not been detected again since Fall 2013. This shallow bedrock monitoring well is located outside the Landfill near the middle of the southwestern edge.

CVOCs were also detected in two deep bedrock wells south of the Landfill. As shown on Figure 4-10, TCE and cis-1,2-DCE were consistently detected at similar concentrations (below 10 µg/L) in monitoring well OMW-216, located east of extraction well EW-2. In monitoring well OMW-221, located south of Central Nassau Road but north of Valley Stream, TCE has been consistently detected at concentrations below 10 µg/L, as shown on Figure 4-11. Cis-1,2-DCE has been detected sporadically over the past several years at approximately an order of magnitude lower than TCE in monitoring well OMW-221. CVOCs were detected at concentrations consistent with historical results in OMW-216 and OMW-221.

Monitoring wells OMW-102, OMW-103, OMW-201, OMW-202, OMW-212, and OMW-215 (located to the west and southwest of the Landfill) and monitoring well OMW-214 (located to the south of the Landfill), did not have detected concentrations of CVOCs in 2016, which is consistent with recent results.

Chlorobenzene

As shown on Figure 4-12, chlorobenzene is primarily detected in bedrock groundwater to the west and south of the Landfill, with concentrations decreasing as the distance from the Landfill increases. Although chlorobenzene is detected in a similar group of wells as BTEX and CVOCs, chlorobenzene concentrations are typically lower than those of BTEX and CVOCs.

In monitoring wells located to the southwest of the Landfill (*i.e.*, OMW-102, OMW-201, OMW-215 and OMW-213⁴; see Figures 4-4 through 4-7), chlorobenzene is not the primary detected VOC. However, chlorobenzene is the primary detected VOC in monitoring wells located to the immediate south of the Landfill (*i.e.*, OMW-205, OMW-216 and OMW-214; see Figures 4-8, 4-10 and 4-13). Chlorobenzene has been detected consistently in the seven wells listed above, and to the southwest and south of the Landfill, and concentrations have shown little variability. Concentrations of chlorobenzene are higher in the shallow bedrock (*e.g.*, in monitoring well OMW-205, with detected concentrations exceeding 100 µg/L), than in the deeper portions of the bedrock (*e.g.*, in monitoring wells OMW-214 and OMW-216, with detected concentrations at or below 10 µg/L).

Consistent with historical results, monitoring wells OMW-202 and OMW-212, located outside the Landfill to the west, did not have detected concentrations of chlorobenzene in 2016. Also, monitoring wells OMW-103 and

³ Monitoring well OMW-213 was dry at the time of sampling, so a sample was not collected from this monitoring well in 2016.

⁴ Monitoring well OMW-213 was dry at the time of sampling, so a sample was not collected from this monitoring well in 2016.

OMW-221, located to the south, did not have detected concentrations of chlorobenzene in 2016, which is consistent with historical results.

4.4.2. 1,4-Dioxane Analyses

Groundwater samples were collected and analyzed for 1,4-dioxane from four bedrock monitoring wells during the Spring 2016 groundwater sampling event and six bedrock monitoring wells during the Fall 2016 event. The detected concentrations are summarized on Tables 4-6 and 4-8, respectively. 1,4-Dioxane was detected at concentrations ranging from 2.4 µg/L at monitoring well OMW-114 (an intermediate bedrock well located east of EW-2) to 2,200 µg/L at well OMW-201 (a shallow bedrock well located outside the Landfill near the middle of the southwestern edge).

As shown on Figure 4-14, 1,4-dioxane is primarily detected in bedrock groundwater to the immediate west and south of the Landfill. The 1,4-dioxane concentrations detected in samples collected during 2016 groundwater sampling events are generally consistent with those detected in previous years, as shown on the trend graph included on Figure 4-15.

4.5. EXTRACTION WELL WATER QUALITY

Groundwater samples were collected from the eight existing extraction wells (EW-1 through EW-8) on March 23, May 18, August 24 and November 16, 2016 by ARCADIS. In addition, in accordance with Appendix H of the DR/IP, EW-7 was sampled on January 6, 2016 to complete the monthly sampling associated with the extraction well start-up. The extraction well samples were analyzed for VOCs using USEPA SW-824 Method 8260C, SVOCs using USEPA SW-846 Method 8270D, 1,4-dioxane using USEPA SW-846 Method 8270D SIM, polychlorinated biphenyls (PCBs) using USEPA SW-846 Method 8082A and target analyte list (TAL) metals using USEPA SW-846 Method 6010C. In addition, the samples collected on January 6, March 23 and May 18 were analyzed for TAL mercury using USEPA SW-846 Method 7470A. The samples analyzed for VOCs, SVOCs, PCBs and TAL metals (including mercury) were submitted to Pace in Schenectady, New York. Pace in Schenectady, New York analyzed the samples collected for PCB analysis and subcontracted the sample analysis of VOCs, SVOCs and TAL metals (including mercury) to Pace's lab in Melville, New York. The samples collected for 1,4-dioxane analysis were submitted to Pace in Schenectady, New York and subcontracted to ALS in Rochester, New York. Blind duplicate samples were collected from the following extraction wells:

- EW-4, on March 23, 2016
- EW-6, on May 18 2016
- EW-8, on August 24, 2016
- EW-3, on November 16, 2016.

The results of the 2016 extraction well sampling events are summarized on Table 4-9.

4.5.1. Volatile Organic Analyses

Trend graphs showing the concentrations of BTEX, CVOCs and chlorobenzene in extraction wells EW-1 through EW-8 are provided in Figures 4-16 through 4-23.

As shown on Figures 4-18 through 4-23, benzene and toluene are the primary compounds detected in extraction wells EW-3, EW-4, EW-5, EW-6 and EW-7, while benzene and chlorobenzene are the primary compounds detected in extraction well EW-8. Chlorobenzene, cis-1,2-DCE, total xylenes, and to a lesser extent TCE and vinyl chloride, are the secondary compounds detected in EW-3 through EW-7, while toluene is the secondary compound in EW-8. Conversely, as shown on Figures 4-16 and 4-17, TCE is the dominant compound detected in extraction wells EW-1 and EW-2, both of which are located to the south of and farther from the Landfill. Benzene, toluene and cis-1,2-DCE, and to a lesser extent chlorobenzene and total xylenes, are the secondary compounds detected in these wells.

As shown on Figures 4-3, 4-9 and 4-12, the maximum concentrations of BTEX, CVOCs and chlorobenzene are generally higher in the extraction wells than they are in most other wells, with the exception of the monitoring

wells located along the southwestern edge of the Landfill. Among the extraction wells, the detected concentrations in EW-4, EW-6 and EW-7 are generally higher than those in the remaining extraction wells; these three extraction wells are located closest to the Landfill. As shown on Figure 4-16, there are downward concentration trends in EW-1 since pumping began in 2008; EW-1 is the extraction well located farthest from the Landfill. Concentrations in EW-2 and EW-3 have remained relatively consistent since pumping began in 2008, with a notable decrease in EW-3 in 2016, as shown in Figures 4-17 and 4-18, respectively. The concentrations in the five new extraction wells (EW-4 through EW-8) are shown in Figures 4-19 through 4-23; concentrations have remained consistent in these wells since they were placed into operation in 2015.

4.5.2. 1,4-Dioxane Analyses

A trend graph showing the concentrations of 1,4-dioxane in extraction wells EW-1 through EW-8 is provided in Figure 4-25. As shown on Figure 4-25 and Table 4-9, the eight extraction wells were sampled for 1,4-dioxane quarterly in 2016; as part of the extraction well start-up, EW-7 was also sampled in January 2016. 1,4-Dioxane concentrations detected in the extraction wells ranged from 5.6 µg/L in extraction well EW-1 (located farthest from the Landfill) to 1,400 µg/L in extraction well EW-7 (one of the three extraction wells located closest to the Landfill).

As shown on Figure 4-14, the detected concentrations in EW-4, EW-5, EW-6 and EW-7 are generally higher than those in the remaining extraction wells, most likely due to their proximity to the Landfill. Concentrations of 1,4-dioxane detected in 2016 were consistent with historical results.

4.5.3. Semi-Volatile Organic Analyses

As shown on Table 4-9, the eight extraction wells were sampled for SVOCs on a quarterly basis in 2016; EW-7 was also sampled in January 2016 as part of the extraction well start-up. 2,4-Dimethylphenol and phenol were detected in each of the eight extraction wells. 3&4-Methylphenol, a commonly detected SVOC, was the SVOC detected at the highest concentration, up to 3,300 µg/L in extraction well EW-6, which is one of the three new extraction wells located closest to the Landfill. Additional commonly detected SVOCs include 2-chlorophenol, 2-methylphenol and naphthalene. All other SVOCs were either detected at relatively low concentrations, or were not detected at all.

4.5.4. PCB Analyses

As shown on Table 4-9, and consistent with prior data, PCBs were not detected in the samples collected from the eight extraction wells in 2016.

4.6. LEACHATE COLLECTION SYSTEM MONITORING RESULTS

The leachate in the LCT was sampled one time in 2016, on March 23, 2016. As discussed in Section 2.1, water levels in the Landfill were low for most of 2016, which precluded the collection of additional samples. The leachate sample was analyzed for VOCs using USEPA SW-846 Method 8260C, SVOCs using USEPA SW-846 Method 8270D, 1,4-dioxane using USEPA SW-846 Method 8270D SIM, PCBs using USEPA SW-846 Method 8082A, TAL metals analysis using USEPA SW-846 Method 6010C, and TAL mercury using USEPA SW-846 Method 7470A. The sample analyzed for VOCs, SVOCs, PCBs and TAL metals (including mercury) was submitted to Pace in Schenectady, New York. Pace in Schenectady, New York analyzed the sample collected for PCB analysis and subcontracted the sample analysis of VOCs, SVOCs and TAL metals (including mercury) to Pace's lab in Melville, New York. The sample analyzed for 1,4-dioxane was submitted to Pace in Schenectady, New York and subcontracted to ALS in Rochester, New York. The results of the leachate collection system sampling are summarized in Table 4-10.

4.6.1. Volatile Organic Analyses

A trend graph showing the concentrations of BTEX, CVOCs and chlorobenzene in the leachate from the LCT is provided in Figure 4-24.

Consistent with prior results, BTEX compounds, specifically benzene and toluene, were two of the three primary VOCs detected in the samples collected from the LCT in 2016. Toluene was detected at 920 µg/L, while benzene

was detected at 520 µg/L. Chlorobenzene, the primary VOC detected in 2016, was detected at 950 µg/L. TCE was the dominant CVOC detected in the samples from the LCT, at 50 µg/L. As shown in Figure 4-24, BTEX, CVOC and chlorobenzene concentrations appear to have decreased significantly in 2016, although this is based on the results of a single sampling event.

4.6.2. 1,4-Dioxane Analyses

A trend graph showing the concentrations of 1,4-dioxane in the leachate is provided in Figure 4-25 and the data is summarized in Table 4-10. 1,4-Dioxane was detected in the LCT sample at 680 µg/L. As shown on Figure 4-25, the 1,4-dioxane concentration detected in the LCT sample collected in 2016 is generally consistent with previous sample results.

4.6.3. Semi-Volatile Organic Analyses

As shown on Table 4-10, phenolic compounds (namely 2,4-dimethylphenol, 2-chlorophenol, and 2-methylphenol) were the dominant SVOCs detected in the samples from the LCT in 2016. The SVOC with the highest concentration was 2-chlorophenol, at 14 µg/L. 2-Methylphenol was detected at 10 µg/L, while 2,4-dimethylphenol was detected at an estimated concentration of 3 µg/L. 2,4-Dichlorophenol and phenol were also detected at estimated concentrations of 2 µg/L each. Di-n-butylphthalate and naphthalene were also detected at low concentrations in 2016. In general, the detected concentrations of phenolic compounds in 2016 are lower than typically reported in the LCT, although this is based on the results of a single sampling event.

4.6.4. PCB Analyses

As shown on Table 4-10, PCBs were detected in the sample collected from the LCT in 2016. Aroclor 1260 was detected at 0.0750 µg/L, which is consistent with historical results.

4.7. RESIDENTIAL WELL MONITORING

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

The properties currently being provided with bottled water are shown on Table 4-11. Each of these properties has a bottled water dispenser that the property owner(s) selected for their particular needs. Per current procedures, at least once per month the property owners are provided with a new supply of bottled water and the empty bottles are removed. The bottled water is currently provided by Culligan of Troy, New York.

Table 4-11 shows the sample collection dates and sample analyses in 2016 for the five residential wells (located on four properties) with POU treatment systems and the residential wells without POU treatment systems. As shown on Table 4-11, six additional residential wells were sampled in 2016 beyond the scheduled residential well sampling program. NYSDOH well 27, sampled in November 2016 as part of the annual sampling program, was also sampled in February 2016 at the request of the property owner. NYSDOH well 34 was sampled in May 2016; this new well will be sampled biennially going forward. NYSDOH well 11 was sampled on August 17, 2016; this well was scheduled to be sampled in 2015 as part of the biennial sampling program but the property owners were unavailable for an extended period of time. A residential well located on Curtis Hill Road was sampled on November 22, 2016 in connection with the RI/FS for the Landfill and Groundwater components of

the Site; this well had been sampled previously for VOCs, but not for 1,4-dioxane. Finally, two other residential wells, located on a property not currently included in the residential monitoring program, were also sampled in May 2016 at the request of the property owner.

Residential well samples were sent under chain-of-custody to Pace in Schenectady, New York, which subcontracted the VOC and 1,4-dioxane analyses to ALS in Rochester, New York. VOCs were analyzed by USEPA Method 524.2, while 1,4-dioxane was analyzed by USEPA SW-846 Method 8270D SIM. The results from the 2016 sampling of the residential wells with POU treatment systems are summarized in Table 4-12. Trend graphs of VOC concentrations for these five wells are presented in Figures 4-26 through 4-30; graphs are presented in both a linear and a semi-logarithmic scale. The laboratory results of the residential wells without POU treatment systems, while discussed briefly below, are not included in this report. Results are submitted to the property owners and are also submitted to NYSDOH, USEPA and NYSDEC.

4.7.1. Volatile Organic Compound Analyses

As shown on Figures 4-3, 4-9 and 4-12, no VOCs were detected in the residential wells or monitoring wells located along Central Nassau Road to the east of bedrock borehole EPA-5 or to the west of the intersection of Central Nassau and Curtis Hill Roads. VOCs were also not detected in the residential wells located on Nassau Averill Park Road or on Mead Road to the west of the Landfill.

As shown on Table 4-12 and Figure 4-26, benzene and chlorobenzene were the only VOCs of the nine dominant VOCs at the Site consistently detected in NYSDOH well 1 during the 2016 sampling events, at maximum concentrations of 0.55 µg/L and 1.3 µg/L, respectively; both of these detected concentrations are below the state drinking water standards of 5 µg/L. As shown in Figure 4-26 for NYSDOH well 1, sampling of this well was initiated in August 1988 and, with the exception of a detection of methylene chloride (recognized as a common laboratory contaminant) and 1,2-dichloroethane (1,2-DCA), both at a concentration of 1 µg/L, no VOCs were detected in this well until October 1995 when benzene was detected at 2.6 µg/L. The concentrations of VOCs, primarily benzene and chlorobenzene, increased through the late 1990s and then began a steady decline, with a significant drop in the concentration of chlorobenzene in 2008.

Figures 4-27 through 4-30 present concentration trend graphs for the four residential wells with POU treatment systems located to the south of the Landfill. As shown in Figure 4-27 for NYSDOH well 23, sampling of this well was initiated in January 1993 and no VOCs were detected until June 2001. Between June 2001 and August 2004, TCE was the only VOC detected, at concentrations ranging from 0.6 to 11 µg/L. Since 2004, VOC concentrations, consisting primarily of TCE, benzene and cis-1,2-DCE, have varied over time but have remained relatively steady. TCE is generally detected at concentrations above the state drinking water standard of 5 µg/L, while benzene and cis-1,2-DCE are both typically detected below their state drinking water standards, both of which are 5 µg/L.

As shown in Figures 4-28 and 4-29 for NYSDOH wells 24S and 24D, detected VOC concentrations, including TCE, benzene, cis-1,2-DCE, chlorobenzene, toluene and vinyl chloride, have varied over time for both wells. Historically, concentrations were higher in the shallower well than in the deeper well. When operation of NYSDOH well 24S was discontinued in 1999, the concentrations in NYSDOH well 24D began to increase. The installation and testing of monitoring and extraction wells in the mid-2000s also appears to have negatively influenced the VOC concentrations in NYSDOH wells 24S and 24D, with upward concentration spikes, perhaps by connecting fractures that were not previously connected. However, concentrations have generally remained steady or slightly declined since groundwater extraction began in March 2008. TCE, cis-1,2-DCE and benzene are consistently detected above their state drinking water standard of 5 µg/L in both NYSDOH wells 24S and 24D. Chlorobenzene concentrations in NYSDOH well 24D hover around the state drinking water standard of 5 µg/L, while chlorobenzene concentrations in NYSDOH well 24S are consistently below the state drinking water standard.

As shown in Figure 4-30 for NYSDOH well 25, detected VOC concentrations, including TCE, cis-1,2-DCE and benzene, had historically been relatively low prior to 2004. However, as described above for NYSDOH wells 24S and 24D, the installation and testing of monitoring and extraction wells in the mid-2000s appears to have

negatively influenced the VOC concentrations in NYSDOH well 25, with upward concentration spikes, perhaps by connecting fractures that were not previously connected. Concentrations generally declined since the extraction of groundwater began in March 2008. The maximum TCE concentration detected in 2016 was 4.6 µg/L. Benzene and cis-1,2-DCE were also detected in 2016, at maximum estimated concentrations of 0.34 µg/L and 0.31 µg/L, respectively. The TCE, benzene and cis-1,2-DCE detections in 2016 are below their state drinking water standards; while benzene and cis-1,2-DCE have been detected below the state drinking water standard frequently, TCE has not been consistently detected below its state drinking water standard since 1993.

4.7.2. 1,4-Dioxane Analyses

In 2016, the residential wells located at the four properties with POU treatment systems had detections of 1,4-dioxane at concentrations ranging from an estimated 0.030 to 0.74 µg/L. As shown on Figure 4-31, the 1,4-dioxane concentrations detected in these wells during 2016 were consistent with historical results. Figure 4-14 shows the maximum 1,4-dioxane concentration detected during 2016 in the residential wells with and without POU treatment systems. 1,4-Dioxane was detected in eight of the residential wells without POU treatment systems (*i.e.*, NYSDOH wells 3, 16, 18, 19, 20, 21, 22 and 32), at concentrations up to 0.87 µg/L. No BTEX, CVOCs or chlorobenzene were detected in these eight residential wells, and bottled water is provided to all of these properties.

5. SUMMARY

Leachate has been removed from the LCT at the Landfill since 1991, with the exception of 1994, when no leachate was removed. Before December 2013 the leachate was transported off-site for treatment and disposal. Since then the leachate has been treated on-site. Approximately 6,010 gallons of leachate were removed from the LCT in 2016, and approximately 6,978,600 gallons of leachate have been removed from the LCT from 1991 through December 2016. As of the end of December 2016, a total of approximately 3,379 pounds of VOCs have been removed from the containment system through use of the leachate collection system. In 2016, approximately 0.5 pounds of VOCs were removed from the LCT, which is much lower than prior years due to the limited amount of water entering the LCT. As shown in Figure 4-24, VOC concentrations in the LCT have remained relatively consistent since sample collection and analysis began in 1985, with the exception of significant decreases in 1994 and 2016. Operation of the leachate collection system continues in 2017, and the leachate is treated in the on-site treatment system located immediately west of the Landfill.

The three original extraction wells (EW-1, EW-2 and EW-3) were in operation on a seasonal basis (operating during the spring, summer and fall months) from late March 2008 through 2010. The extraction system was winterized by USEPA to allow for year-round operation after October 2011. Five new extraction wells (EW-4 through EW-8) were placed into operation in 2015. Approximately 2,961,000 gallons of groundwater were pumped from the extraction wells in 2016, significantly more than in any prior year, and more than 11,719,000 gallons of groundwater were extracted from 2008 through December 2016. Approximately 1,120 pounds of VOCs were removed from the extraction wells in 2016, significantly more than in any prior year, bringing the total mass of VOCs removed from the extraction wells to approximately 3,380 pounds. Of the eight extraction wells, EW-1, located farthest from the Landfill, shows downward concentration trends; concentrations are stable in EW-2 and EW-3. The five new extraction wells (EW-4 through EW-8) have been in operation for less than two years, but concentrations have remained stable during that time. Operation of the five new extraction wells has resulted in a greater proportion of BTEX and chlorobenzene in the groundwater entering the on-site treatment system. Operation of the eight extraction wells continues in 2017.

As shown on Figure 4-3, 4-9, 4-12 and 4-14, VOC and 1,4-dioxane concentrations decrease to the south with distance from the Landfill, but continue to be elevated in each of the eight extraction wells, which are located between the Landfill and Central Nassau Road. In the vicinity of Central Nassau Road, one or more VOCs continue to be detected at concentration in excess of the state drinking water standard(s) in the four residential wells with POU treatment systems (NYSDOH wells 23, 24S, 24D and 25); the concentrations appear to be stable or declining in these wells. 1,4-Dioxane was detected in each of these residential wells in 2016 at concentrations consistent with historical results. The concentrations of VOCs in the residential well located immediately north

of the Landfill (NYSDOH well 1) were again all below the state drinking water standards, for the eighth consecutive year, while 1,4-dioxane was detected at concentrations consistent with historical results; nevertheless, the POU treatment system at this property continues to be maintained and bottled water is provided.

As shown on Figures 4-3, 4-9 and 4-12, no BTEX, CVOC or chlorobenzene were detected in residential wells or monitoring wells located along Central Nassau Road east of borehole EPA-5 or west of the intersection of Central Nassau and Curtis Hill Roads. In addition, no VOCs were detected in residential wells located on Nassau Averill Park Road or on Mead Road west of the Landfill. As shown on Figure 4-14, 1,4-dioxane was detected in eight residential wells without POU treatment systems in 2016. Although no BTEX, CVOCs or chlorobenzene were detected in these wells, bottled water is provided to these eight properties.

As confirmed by the Spring and Fall 2016 groundwater results, there are two different VOC chemical signatures in the bedrock groundwater at the Site. One is BTEX rich, with chlorobenzene and CVOCs as secondary compounds; this signature is typically found to the southwest of the Landfill, and is similar to the VOCs found in leachate from the LCT. The other is CVOC rich, with BTEX (specifically benzene) and chlorobenzene as secondary compounds; this signature is typically found to the south of the Landfill and extends farthest to the south.

Based on the results of the Spring and Fall 2016 groundwater sampling events, along with the results from the LCT, extraction well and POU treatment system sampling, the following conclusions can be made with respect to groundwater quality:

- Concentrations of BTEX and chlorobenzene in bedrock groundwater outside the Landfill are highest along the southwestern edge of the Landfill, with concentrations decreasing to the south.
- Concentrations of chlorobenzene are generally less than the concentrations of BTEX and CVOCs with the exceptions of overburden groundwater north of the Landfill and intermediate bedrock south of the Landfill.
- Concentrations of 1,4-dioxane in bedrock groundwater outside the Landfill are highest along the southwestern edge of the Landfill, with concentrations decreasing to the south.
- Select phenolic compounds were detected in bedrock groundwater in the vicinity of the Landfill and the leachate from the LCT in 2016.
- PCBs were not detected in the individual extraction well samples in 2016, but, consistent with historical results, were detected at a low concentration in leachate from the LCT located at the Landfill.

Per Attachment B of Appendix J of the DR/IP, semi-annual groundwater monitoring activities will continue to be performed in 2017. Specifically, groundwater elevation monitoring will be performed at 24 monitoring wells located outside of the Landfill's perimeter fence, and, once installed, the multi-level monitoring wells in the five open deep bedrock boreholes.⁵ In addition, routine groundwater sampling and analysis for VOCs, phenolic compounds and 1,4-dioxane will be performed in 2017 in accordance with the sampling plan presented in Table 2 of Attachment B of Appendix J of the DR/IP.

⁵ Per the USEPA-approved *Appendix G Summary Report* (OBG, 2015a), the five open deep bedrock boreholes EPA-1 through EPA-5 will be completed into multi-level monitoring wells by installing FLUTe™ multi-level monitoring systems. Upon completion, the five multi-level monitoring wells will be incorporated into the groundwater monitoring program in accordance with the Appendix J of the DR/IP. The completion of the five open deep bedrock boreholes is expected to be performed in the Spring or Summer of 2017, with the first groundwater sampling event conducted in the Fall of 2017.

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Tables

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

Year	Leachate		EW-1		EW-2		EW-3		EW-4		EW-5		EW-6		EW-7		EW-8		Calculated Total Gallons
	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	
1991	39,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,540
1992	160,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160,000
1993	120,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120,000
1994	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0	---	0
1995	125,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125,000
1996	230,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	230,000
1997	272,804	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	272,804
1998	347,969	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	347,969
1999	419,500	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	419,500
2000	440,030	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440,030
2001	350,116	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	350,116
2002	407,312	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407,312
2003	375,919	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	375,919
2004	292,518	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	292,518
2005	185,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185,000
2006	460,000	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	460,000
2007	339,700	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	339,700
2008	500,490	71	6,876	1	192,759	27	6,876	1	0	0	0	0	0	0	0	0	0	0	707,001
2009	417,455	33	211,709	17	423,418	33	211,709	17	0	0	0	0	0	0	0	0	0	0	1,264,291
2010	342,848	24	268,845	19	537,691	38	268,845	19	0	0	0	0	0	0	0	0	0	0	1,418,229
2011	356,657	32	198,641	18	361,915	32	198,641	18	0	0	0	0	0	0	0	0	0	0	1,115,854
2012	223,546	13	394,790	22	787,277	44	377,150	21	0	0	0	0	0	0	0	0	0	0	1,782,763
2013	249,572	14	438,941	25	666,947	38	388,645	22	0	0	0	0	0	0	0	0	0	0	1,744,104
2014	158,160	19	169,025	20	299,041	35	217,854	26	0	0	0	0	0	0	0	0	0	0	844,080
2015	158,440	7	426,590	19	694,200	30	575,400	25	56,410	2	126,000	6	69,570	3	52,180	2	130,090	6	2,288,880
2016	6,010	0	362,430	12	637,490	21	518,940	17	287,080	10	301,980	10	282,100	10	284,630	10	286,310	10	2,966,970



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

Leachate			EW-1		EW-2		EW-3		EW-4		EW-5		EW-6		EW-7		EW-8		Calculated Total
Year	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons
1991	39,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,540
1992	199,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	199,540
1993	319,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319,540
1994	319,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319,540
1995	444,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	444,540
1996	674,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	674,540
1997	947,344	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	947,344
1998	1,295,313	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,295,313
1999	1,714,813	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,714,813
2000	2,154,843	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,154,843
2001	2,504,959	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,504,959
2002	2,912,271	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,912,271
2003	3,288,190	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,288,190
2004	3,580,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,580,708
2005	3,765,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,765,708
2006	4,225,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,225,708
2007	4,565,408	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,565,408
2008	5,065,898	96	6,876	0	192,759	4	6,876	0	0	0	0	0	0	0	0	0	0	0	5,272,409
2009	5,483,353	84	218,585	3	616,177	9	218,585	3	0	0	0	0	0	0	0	0	0	0	6,536,700
2010	5,826,201	73	487,430	6	1,153,867	15	487,430	6	0	0	0	0	0	0	0	0	0	0	7,954,929
2011	6,182,858	68	686,071	8	1,515,782	17	686,071	8	0	0	0	0	0	0	0	0	0	0	9,070,783
2012	6,406,404	59	1,080,862	10	2,303,059	21	1,063,222	10	0	0	0	0	0	0	0	0	0	0	10,853,546
2013	6,655,976	53	1,519,802	12	2,970,006	24	1,451,866	12	0	0	0	0	0	0	0	0	0	0	12,597,650
2014	6,814,136	51	1,688,827	13	3,269,047	24	1,669,720	12	0	0	0	0	0	0	0	0	0	0	13,441,730
2015	6,972,576	44	2,115,417	13	3,963,247	25	2,245,120	14	56,410	0.4	126,000	1	69,570	0.4	52,180	0.3	130,090	1	15,730,610
2016	6,978,586	37	2,477,847	13	4,600,737	25	2,764,060	15	343,490	1.8	427,980	2	351,670	1.9	336,810	1.8	416,400	2	18,697,580



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

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

Notes:

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



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

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

Notes:

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



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

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of TCE, cDCE, VC		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
EW-1														
2008	0.18	0.20	0.00	0.00	0.00	1.81	0.11	0.00	0.00	0.37	16.31	1.92	83.69	2.29
2009	6.03	7.10	0.00	0.00	0.00	49.57	2.56	0.00	1.04	13.12	19.79	52.13	78.63	66.30
2010	2.54	0.41	0.00	0.00	0.00	27.11	1.19	0.00	0.00	2.94	9.42	28.30	90.58	31.24
2011	1.27	0.00	0.00	0.00	0.00	14.57	0.84	0.00	0.00	1.28	7.65	15.40	92.34	16.68
2012	2.33	0.33	0.01	0.00	0.01	26.00	1.71	0.01	0.07	2.69	8.83	27.72	90.94	30.48
2013	2.35	0.41	0.00	0.00	0.00	26.58	1.83	0.00	0.21	2.76	8.80	28.41	90.53	31.38
2014	0.77	0.52	0.03	0.04	0.02	7.55	0.70	0.01	0.20	1.39	14.10	8.26	83.87	9.85
2015	2.30	1.41	0.05	0.06	0.06	24.16	1.96	0.04	0.41	3.87	12.70	26.16	85.94	30.45
2016	1.81	0.67	0.00	0.00	0.00	21.42	1.82	0.00	0.34	2.48	9.52	23.24	89.16	26.06
EW-2														
2008	7.32	7.19	0.00	0.00	0.00	60.14	2.63	0.00	0.06	14.51	18.76	62.77	81.17	77.34
2009	19.71	23.23	0.00	0.00	0.00	75.77	8.74	0.00	2.36	42.94	33.08	84.51	65.10	129.81
2010	15.75	17.65	0.00	0.00	0.00	138.73	9.35	0.00	0.00	33.41	18.41	148.08	81.59	181.49
2011	11.39	13.76	0.00	0.00	0.01	100.51	8.09	0.00	0.01	25.17	18.81	108.61	81.18	133.78
2012	26.34	33.08	0.23	0.07	1.42	217.01	22.02	0.17	3.15	61.15	20.15	239.20	78.82	303.50
2013	23.04	30.30	0.05	0.06	1.02	201.33	21.81	0.00	0.40	54.48	19.59	223.15	80.26	278.03
2014	7.27	10.51	0.31	0.68	0.48	52.16	8.53	0.17	2.21	19.24	23.38	60.86	73.93	82.32
2015	23.23	38.47	1.45	1.77	3.11	168.66	30.92	1.46	6.37	68.02	24.69	201.04	72.99	275.43
2016	24.21	41.36	1.48	1.76	3.08	181.65	34.17	1.93	6.35	71.88	24.29	217.74	73.57	295.98
EW-3														
2008	0.66	0.33	0.00	0.00	0.02	0.07	0.09	0.05	0.10	1.01	76.52	0.21	15.86	1.31
2009	16.18	7.46	0.00	0.00	0.04	1.93	1.87	0.00	2.49	23.67	79.02	3.80	12.68	29.96
2010	17.52	12.65	0.00	0.00	0.69	1.62	1.86	0.00	2.59	30.86	83.55	3.49	9.44	36.94
2011	13.49	10.84	0.00	0.00	0.58	1.03	1.42	0.00	1.97	24.92	84.93	2.45	8.36	29.34
2012	27.01	22.61	0.06	0.02	1.20	1.74	2.81	0.28	4.03	50.90	85.19	4.83	8.08	59.75
2013	32.33	30.04	0.02	0.03	1.19	1.87	3.33	0.62	5.08	63.60	85.37	5.82	7.81	74.50
2014	19.52	20.09	0.17	0.75	0.59	1.01	2.69	0.58	3.62	41.12	83.88	4.28	8.74	49.03
2015	47.80	42.49	0.58	0.71	2.18	2.65	7.36	1.71	7.76	93.76	82.80	11.72	10.35	113.24
2016	13.13	13.05	0.16	0.18	0.57	0.50	0.79	0.21	2.00	27.10	88.57	1.50	4.91	30.59

Notes:

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



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

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of TCE, cDCE, VC		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
EW-4														
2015	13.24	11.58	0.20	0.23	0.75	0.67	2.85	0.65	2.19	26.01	80.32	4.18	12.90	32.38
2016	45.23	54.62	0.83	0.95	3.21	2.68	12.07	1.80	9.43	104.84	80.15	16.54	12.65	130.81
EW-5														
2015	19.46	7.44	0.11	0.17	0.46	0.82	5.46	0.70	3.50	27.65	72.54	6.97	18.29	38.12
2016	19.88	9.22	0.10	0.12	0.49	0.50	3.43	0.52	2.99	29.80	80.01	4.45	11.95	37.24
EW-6														
2015	27.89	29.54	0.50	0.55	1.91	0.19	8.55	2.47	5.94	60.39	77.87	11.22	14.46	77.55
2016	114.62	147.64	2.26	2.61	8.97	1.64	47.18	8.99	27.94	276.10	76.30	57.82	15.98	361.86
EW-7														
2015	11.97	12.14	0.20	0.23	0.74	0.00	1.74	1.06	2.34	25.27	83.08	2.80	9.21	30.41
2016	72.85	108.86	1.66	1.78	6.12	0.00	19.88	7.60	18.53	191.26	80.61	27.48	11.58	237.27
EW-8														
2015	1.84	0.27	0.00	0.00	0.02	0.00	0.00	0.00	0.11	2.14	94.82	0.01	0.49	2.26
2016	3.13	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.16	3.23	95.34	0.00	0.02	3.38

Notes:

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



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

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of TCE, cDCE, VC		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
EW-1														
2008	0.18	0.20	0.00	0.00	0.00	1.81	0.11	0.00	0.00	0.37	16.31	1.92	83.69	2.29
2009	6.20	7.29	0.00	0.00	0.00	51.38	2.67	0.00	1.04	13.50	19.68	54.05	78.80	68.59
2010	8.74	7.70	0.00	0.00	0.00	78.49	3.86	0.00	1.04	16.44	16.47	82.35	82.49	99.83
2011	10.02	7.70	0.00	0.00	0.00	93.05	4.70	0.00	1.04	17.72	15.21	97.75	83.90	116.51
2012	12.35	8.03	0.01	0.00	0.02	119.05	6.41	0.02	1.11	20.41	13.88	125.47	85.36	146.99
2013	14.70	8.44	0.01	0.00	0.02	145.63	8.24	0.02	1.32	23.17	12.99	153.88	86.27	178.38
2014	15.47	8.97	0.04	0.05	0.04	153.18	8.94	0.03	1.52	24.56	13.05	162.14	86.14	188.23
2015	17.77	10.37	0.09	0.11	0.09	177.34	10.89	0.07	1.94	28.43	13.00	188.31	86.11	218.67
2016	19.58	11.04	0.09	0.11	0.09	198.76	12.72	0.07	2.28	30.91	12.63	211.55	86.44	244.73
EW-2														
2008	7.32	7.19	0.00	0.00	0.00	60.14	2.63	0.00	0.06	14.51	18.76	62.77	81.17	77.34
2009	27.02	30.43	0.00	0.00	0.00	135.91	11.38	0.00	2.41	57.45	27.73	147.29	71.10	207.15
2010	42.78	48.08	0.00	0.00	0.00	274.63	20.73	0.00	2.41	90.86	23.38	295.37	76.00	388.64
2011	54.17	61.84	0.00	0.00	0.01	375.15	28.82	0.00	2.42	116.02	22.21	403.97	77.33	522.42
2012	80.51	94.92	0.24	0.07	1.43	592.16	50.84	0.18	5.57	177.17	21.45	643.18	77.87	825.91
2013	103.55	125.22	0.29	0.14	2.45	793.49	72.66	0.18	5.97	231.65	20.98	866.33	78.48	1103.95
2014	110.82	135.72	0.59	0.82	2.93	845.66	81.18	0.35	8.18	250.89	21.15	927.19	78.16	1186.27
2015	134.05	174.19	2.04	2.59	6.04	1014.31	112.11	1.82	14.55	318.91	21.82	1128.23	77.19	1461.69
2016	158.27	215.55	3.52	4.34	9.12	1195.96	146.27	3.74	20.91	390.79	22.23	1345.98	76.58	1757.67
EW-3														
2008	0.66	0.33	0.00	0.00	0.02	0.07	0.09	0.05	0.10	1.01	76.52	0.21	15.86	1.31
2009	16.84	7.79	0.00	0.00	0.06	2.00	1.96	0.05	2.59	24.68	78.91	4.01	12.81	31.28
2010	34.36	20.43	0.00	0.00	0.75	3.62	3.83	0.05	5.18	55.54	81.42	7.49	10.99	68.21
2011	47.85	31.28	0.00	0.00	1.33	4.65	5.25	0.05	7.15	80.46	82.48	9.95	10.20	97.55
2012	74.86	53.89	0.06	0.02	2.53	6.39	8.05	0.33	11.17	131.36	83.51	14.77	9.39	157.30
2013	107.19	83.93	0.08	0.04	3.72	8.26	11.39	0.95	16.25	194.96	84.11	20.59	8.88	231.80
2014	126.71	104.02	0.25	0.79	4.31	9.27	14.07	1.53	19.87	236.09	84.07	24.87	8.86	280.83
2015	174.51	146.52	0.84	1.50	6.48	11.92	21.44	3.23	27.63	329.85	83.70	36.59	9.29	394.07
2016	187.64	159.57	1.00	1.68	7.05	12.42	22.22	3.44	29.62	356.94	84.05	38.09	8.97	424.66

Notes:

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



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

Year	Nine Dominant Constituents									Total Mass of BTEX		Total Mass of TCE, cDCE, VC		Calculated Total Mass
	Benzene	Toluene	Ethylbenzene	o-Xylene	m,p-Xylenes	TCE	cDCE	VC	Chlorobenzene	lbs	%	lbs	%	
EW-4														
2015	13.24	11.58	0.20	0.23	0.75	0.67	2.85	0.65	2.19	26.01	80.32	4.18	12.90	32.38
2016	58.47	66.20	1.03	1.18	3.96	3.35	14.92	2.44	11.62	130.85	80.18	20.72	12.70	163.18
EW-5														
2015	19.46	7.44	0.11	0.17	0.46	0.82	5.46	0.70	3.50	27.65	72.54	6.97	18.29	38.12
2016	39.34	16.66	0.21	0.28	0.95	1.31	8.89	1.22	6.49	57.45	76.23	11.42	15.16	75.36
EW-6														
2015	27.89	29.54	0.50	0.55	1.91	0.19	8.55	2.47	5.94	60.39	77.87	11.22	14.46	77.55
2016	142.52	177.17	2.76	3.16	10.88	1.84	55.73	11.47	33.89	336.49	76.58	69.03	15.71	439.41
EW-7														
2015	11.97	12.14	0.20	0.23	0.74	0.00	1.74	1.06	2.34	25.27	83.08	2.80	9.21	30.41
2016	84.81	121.00	1.86	2.00	6.86	0.00	21.63	8.65	20.87	216.53	80.89	30.28	11.31	267.68
EW-8														
2015	1.84	0.27	0.00	0.00	0.02	0.00	0.00	0.00	0.11	2.14	94.82	0.01	0.49	2.26
2016	4.97	0.37	0.00	0.00	0.02	0.00	0.01	0.00	0.26	5.37	95.13	0.01	0.21	5.64

Notes:

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



Table 2-7
Annual Mass of VOCs Removed from
Groundwater Extraction System in 2016
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Total Mass of BTEX		Total Mass of TCE, cDCE, VC		Total Mass of Chlorobenzene		Calculated Total Mass
	lbs	%	lbs	%	lbs	%	
EW-1	2.48	9.52	23.24	89.16	0.34	1.32	26.06
EW-2	71.88	24.29	217.74	73.57	6.35	2.15	295.98
EW-3	27.10	88.57	1.50	4.91	2.00	6.52	30.59
EW-4	104.84	80.15	16.54	12.65	9.43	7.21	130.81
EW-5	29.80	80.01	4.45	11.95	2.99	8.04	37.24
EW-6	276.10	76.30	57.82	15.98	27.94	7.72	361.86
EW-7	191.26	80.61	27.48	11.58	18.53	7.81	237.27
EW-8	3.23	95.34	0.00	0.02	0.16	4.64	3.38
Total:							1123.19

Notes:

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



Table 2-8
Cumulative Mass of VOCs Removed from
Groundwater Extraction System Through 2016
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Total Mass of BTEX		Total Mass of TCE, cDCE, VC		Total Mass of Chlorobenzene		Calculated Total Mass
	lbs	%	lbs	%	lbs	%	
EW-1	30.91	12.63	211.55	86.44	2.28	0.93	244.73
EW-2	390.79	22.23	1345.98	76.58	20.91	1.19	1757.67
EW-3	356.94	84.05	38.09	8.97	29.62	6.98	424.66
EW-4	130.85	80.18	20.72	12.70	11.62	7.12	163.18
EW-5	57.45	76.23	11.42	15.16	6.49	8.61	75.36
EW-6	336.49	76.58	69.03	15.71	33.89	7.71	439.41
EW-7	216.53	80.89	30.28	11.31	20.87	7.80	267.68
EW-8	5.37	95.13	0.01	0.21	0.26	4.66	5.64
Total:							3378.34

Notes:

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



Table 3-1
Water Level Measurements - May 16, 2016
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	60.68	578.91
OMW-102	Bedrock	639.14	636.5	60.56	578.58
OMW-103	Bedrock	643.76	642.3	8.46	635.30
OMW-107	Overburden	625.51	623.2	3.99	621.52
OMW-108	Bedrock	625.08	623.2	35.88	589.20
OMW-201	Bedrock	639.17	636.9	59.60	579.57
OMW-202	Bedrock	656.23	654.4	88.21	568.02
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.05	619.93
OMW-206	Bedrock	618.01	615.9	28.72	589.29
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	68.82	586.17
OMW-213	Bedrock	668.04	665.9	Dry	NA
OMW-214	Bedrock	655.83	655.1	41.36	614.47
OMW-215	Bedrock	657.05	654.8	81.34	575.71
OMW-216	Bedrock	658.15	656.7	48.03	610.12
OMW-218	Bedrock	654.18	651.5	68.09	586.09
OMW-219	Bedrock	666.38	664.3	71.21	595.17
OMW-220	Bedrock	636.34	634.1	45.97	590.37
OMW-221*	Bedrock	592.25	591.1	7.92	600.17
OMW-222	Bedrock	599.65	597.7	25.13	574.52
OMW-223	Bedrock	595.21	593.1	12.34	582.87
OPZ-207	Bedrock	648.60	647.4	63.01	585.59
OPZ-217	Bedrock	665.63	663.8	16.11	649.52
EPA-1	Bedrock	669.59	667.4	85.75	583.84
EPA-2	Bedrock	620.99	618.6	16.43	604.56
EPA-3	Bedrock	688.39	685.5	106.76	581.63
EPA-4	Bedrock	690.39	688.2	102.29	588.10
EPA-5	Bedrock	628.51	625.3	7.04	621.47

Notes:

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is reported in feet above measuring point.
3. "NA" designates not applicable.
4. Depth to water in OMW-204 is suspect due to an obstruction in the well (*i.e.*, suspected formation collapse).
5. OMW-219 is damaged (*i.e.*, broken riser pipe), however a water level was able to be obtained.
6. "*" indicates well is artesian.
7. EPA-1 through EPA-5 are deep, open bedrock boreholes.



Table 3-2
Water Level Measurements - October 17, 2016
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	61.85	577.74
OMW-102	Bedrock	639.14	636.5	62.40	576.74
OMW-103	Bedrock	643.76	642.3	10.85	632.91
OMW-107	Overburden	625.51	623.2	5.62	619.89
OMW-108	Bedrock	625.08	623.2	37.15	587.93
OMW-201	Bedrock	639.17	636.9	61.59	577.58
OMW-202	Bedrock	656.23	654.4	90.37	565.86
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	32.09	618.89
OMW-206	Bedrock	618.01	615.9	30.20	587.81
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	70.41	584.58
OMW-213	Bedrock	668.04	665.9	Dry	NA
OMW-214	Bedrock	655.83	655.1	41.89	613.94
OMW-215	Bedrock	657.05	654.8	83.29	573.76
OMW-216	Bedrock	658.15	656.7	49.09	609.06
OMW-218	Bedrock	654.18	651.5	69.98	584.20
OMW-219	Bedrock	666.38	664.3	72.51	593.87
OMW-220	Bedrock	636.34	634.1	47.16	589.18
OMW-221*	Bedrock	592.25	591.1	6.45	598.70
OMW-222	Bedrock	599.65	597.7	34.46	565.19
OMW-223	Bedrock	595.21	593.1	13.34	581.87
OPZ-207	Bedrock	648.60	647.4	65.94	582.66
OPZ-217	Bedrock	665.63	663.8	23.31	642.32
EPA-1	Bedrock	669.59	667.4	86.98	582.61
EPA-2	Bedrock	620.99	618.6	17.71	603.28
EPA-3	Bedrock	688.39	685.5	108.96	579.43
EPA-4	Bedrock	690.39	688.2	103.49	586.90
EPA-5	Bedrock	628.51	625.3	8.21	620.30

Notes:

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is reported in feet above measuring point.
3. "NA" designates not applicable.
4. Depth to water in OMW-204 is suspect due to an obstruction in the well (*i.e.*, suspected formation collapse).
5. OMW-219 is damaged (*i.e.*, broken riser pipe), however a water level was able to be obtained.
6. "*" indicates well is artesian.
7. EPA-1 through EPA-5 are deep, open bedrock boreholes.



Table 4-1
Spring 2016 Groundwater Sampling
Dewey Loeffel Landfill Superfund Site
Nassau, New York

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

Notes:

1. "VOCs" designates volatile organic compounds.
2. "USEPA" designates United States Environmental Protection Agency.
3. "SIM" designates selected ion monitoring.
4. "A" designates a blind duplicate was collected at this sample location.
5. "B" designates a matrix spike/matrix spike duplicate was collected at this sample location.
6. "C" designates the well was dry. A sample was not collected.
7. "D" designates there is an obstruction in the well (*i.e.*, suspected formation collapse). A sample was not collected.
8. "E" designates the well is damaged (*i.e.*, broken riser pipe). A sample was not collected.



Table 4-2
Fall 2016 Groundwater Sampling
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	VOCs (USEPA 8260C)	1,4-Dioxane (USEPA 8270D SIM)
OMW-101	X ^C	
OMW-102	X	X
OMW-103	X	
OMW-201	X	X
OMW-202	X	
OMW-204	X ^D	
OMW-205	X	X ^A
OMW-211	X ^C	
OMW-212	X	
OMW-213	X ^C	
OMW-214	X	X ^B
OMW-215	X	X
OMW-216	X ^A	X
OMW-218	X	
OMW-219	X ^E	X ^E
OMW-221	X	
OMW-222	X	
OMW-223	X ^B	

Notes:

1. "VOCs" designates volatile organic compounds.
2. "USEPA" designates United States Environmental Protection Agency.
3. "SIM" designates selected ion monitoring.
4. "A" designates a blind duplicate was collected at this sample location.
5. "B" designates a matrix spike/matrix spike duplicated was collected at this sample location.
6. "C" designates the well was dry. A sample was not collected.
7. "D" designates there is an obstruction in the well (*i.e.*, suspected formation collapse). A sample was not collected.
8. "E" designates the well is damaged (*i.e.*, broken riser pipe). A sample was not collected.



Table 4-3
Summary of Spring 2016 Field Parameter Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Date Sampled	Temperature (°C)	pH (standard units)	Specific Conductivity (μS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
OMW-102	17-May-16	11.64	8.28	323.3	-268.2	0.00	15.90
OMW-201	17-May-16	10.52	7.64	1,600.7	-231.5	0.02	8.44
OMW-204	NA	NM	NM	NM	NM	NM	NM
OMW-205	17-May-16	9.81	7.85	400.9	-119.3	0.26	1.70
OMW-211	NA	NM	NM	NM	NM	NM	NM
OMW-213	NA	NM	NM	NM	NM	NM	NM
OMW-215	17-May-16	10.67	9.63	547.3	-57.5	0.04	2.50
OMW-219	NA	NM	NM	NM	NM	NM	NM

Notes:

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



Table 4-4
Summary of Fall 2016 Field Parameter Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well	Date Sampled	Temperature (°C)	pH (standard units)	Specific Conductivity (μS/cm)	ORP (mV)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
OMW-101	NA	NM	NM	NM	NM	NM	NM
OMW-102	20-Oct-16	11.28	8.09	749.8	-234.5	0.26	5.65
OMW-103	19-Oct-16	13.35	7.46	22.7	-139.8	0.00	13.40
OMW-201	20-Oct-16	11.63	7.65	1769.6	-160.6	0.37	3.86
OMW-202	19-Oct-16	10.49	8.55	511.8	-186.8	0.10	7.35
OMW-204	NA	NM	NM	NM	NM	NM	NM
OMW-205	19-Oct-16	10.73	7.99	447.9	-128.6	0.54	3.82
OMW-211	NA	NM	NM	NM	NM	NM	NM
OMW-212	18-Oct-16	13.11	10.20	236.4	-278.8	0.26	4.10
OMW-213	NA	NM	NM	NM	NM	NM	NM
OMW-214	20-Oct-16	10.95	11.18	551.5	-261.4	0.14	12.40
OMW-215	19-Oct-16	12.77	9.80	570.1	-108.2	0.10	35.30
OMW-216	20-Oct-16	10.75	7.99	490.8	-137.9	0.15	2.70
OMW-218	18-Oct-16	12.57	9.53	417.5	-188.1	0.17	1.40
OMW-219	NA	NM	NM	NM	NM	NM	NM
OMW-221	19-Oct-16	11.53	8.01	413.0	-184.4	0.00	2.80
OMW-222	18-Oct-16	12.63	9.41	269.3	-90.9	0.17	0.45
OMW-223	18-Oct-16	16.02	9.94	485.3	50.6	0.25	0.73

Notes:

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



Table 4-5
VOCs Detected in Spring 2016 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID Sample ID Sample Date	OMW-102 OMW-102-051716 5/17/2016	OMW-102 DUP-001-051716 5/17/2016	OMW-201 OMW-201-051716 5/17/2016	OMW-205 OMW-205-051716 5/17/2016	OMW-215 OMW-215-051716 5/17/2016
1,4-Dichlorobenzene		---	---	---	1	---
Acetone		1 J	1 J	---	---	---
Benzene		260	230	26,000	2	210
Chlorobenzene		4	4	2,500	120	4
Chloroethane		---	---	26	---	---
cis-1,2-Dichloroethene		---	---	---	6	---
Ethylbenzene		---	---	160	---	---
m,p-Xylene		---	---	310	---	---
o-Xylene		---	---	55	---	---
Toluene		---	---	1,700	---	3
Vinyl chloride		---	---	---	1	---

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Pace Analytical Services in Melville, New York.
4. "---" designates compound was not detected in that monitoring well in May 2016.
5. "J" designates that the detected concentration is considered an estimated value.



Table 4-6
1,4-Dioxane Detected in Spring 2016 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Location ID	OMW-102	OMW-201	OMW-201	OMW-205	OMW-215
	Sample ID	OMW-102-051716	OMW-201-051716	DUP-002-051716	OMW-205-051716	OMW-215-051716
Compound	Sample Date	5/17/2016	5/17/2016	5/17/2016	5/17/2016	5/17/2016
1,4-Dioxane		6.7	2,200	1,800	16	11

Notes:

1. Results are in micrograms per liter (µg/L).
2. 1,4-Dioxane analyzed by United States Environmental Protection Agency SW-846 Method 8270D selected ion monitoring (SIM) by ALS Environmental in Rochester, New York.



Table 4-7
VOCs Detected in Fall 2016 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Location ID	OMW-102	OMW-103	OMW-201	OMW-202	OMW-205
	Sample ID	OMW-102-102016	OMW-103-101916	OMW-201-102016	OMW-202-101916	OMW-205-101916
Compound	Sample Date	10/20/2016	10/19/2016	10/20/2016	10/19/2016	10/19/2016
1,4-Dichlorobenzene		---	---	3.8 J	---	1.4
4-Methyl-2-pentanone		---	---	8.3 J	---	---
Acetone		---	---	51.9 J	---	---
Benzene		981	---	21,000	9.6	2.6
Chlorobenzene		18.0	---	2,250	---	125
Chloroethane		---	---	42.3 J	---	---
Chloromethane		---	---	---	---	---
cis-1,2-Dichloroethene		---	---	---	---	6.8
Isopropylbenzene		---	---	1.5 J	---	---
o-Xylene		---	---	51.8 J	---	---
Toluene		---	7.6	15.6 J	---	---
trans-1,2-Dichloroethene		---	---	4.8 J	---	---
Trichloroethene		---	---	---	---	---
Vinyl Chloride		---	---	---	---	1.5

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Pace Analytical Services in Melville, New York.
4. "---" designates compound was not detected in that monitoring well in October 2016.
5. "J" designates that the detected concentration is considered an estimated value.



Table 4-7
VOCs Detected in Fall 2016 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Location ID	OMW-212	OMW-214	OMW-215	OMW-216	OMW-216
Sample ID	OMW-212-101816	OMW-214-102016	OMW-215-101916	OMW-216-102016	DUP-002-102016
Compound	Sample Date	10/18/2016	10/20/2016	10/19/2016	10/20/2016
1,4-Dichlorobenzene		---	---	---	---
4-Methyl-2-pentanone		---	---	---	---
Acetone		34.8	24.8	---	---
Benzene		---	5.8 J	161	---
Chlorobenzene		---	2.4	3.5	4.2
Chloroethane		---	---	---	---
Chloromethane		---	1.5	---	---
cis-1,2-Dichloroethene		---	---	---	1.9
Isopropylbenzene		---	---	---	---
o-Xylene		---	---	---	---
Toluene		---	---	2.7	---
trans-1,2-Dichloroethene		---	---	---	---
Trichloroethene		---	---	---	1.6
Vinyl Chloride		---	---	---	---

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Pace Analytical Services in Melville, New York.
4. "---" designates compound was not detected in that monitoring well in October 2016.
5. "J" designates that the detected concentration is considered an estimated value.



Table 4-7
VOCs Detected in Fall 2016 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID Sample ID Sample Date	OMW-221 OMW-221-101916 10/19/2016
1,4-Dichlorobenzene		---
4-Methyl-2-pentanone		---
Acetone		---
Benzene		---
Chlorobenzene		---
Chloroethane		---
Chloromethane		---
cis-1,2-Dichloroethene		---
Isopropylbenzene		---
o-Xylene		---
Toluene		---
trans-1,2-Dichloroethene		---
Trichloroethene		2.2
Vinyl Chloride		---

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Pace Analytical Services in Melville, New York.
4. "---" designates compound was not detected in that monitoring well in October 2016.
5. "J" designates that the detected concentration is considered an estimated value.



Table 4-8
1,4-Dioxane Detected in Fall 2016 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

	Location ID	OMW-102	OMW-201	OMW-205	OMW-205	OMW-214
	Sample ID	OMW-102-102016	OMW-201-102016	OMW-205-101916	DUP-001-101916	OMW-214-102016
Compound	Sample Date	10/20/2016	10/20/2016	10/19/2016	10/19/2016	10/20/2016
1,4-Dioxane		73	1,500	12	11	2.4

	Location ID	OMW-215	OMW-216
	Sample ID	OMW-215-101916	OMW-216-102016
Compound	Sample Date	10/19/2016	10/20/2016
1,4-Dioxane		8.4	2.8

Notes:

1. Results are in micrograms per liter (µg/L).
2. 1,4-Dioxane analyzed by United States Environmental Protection Agency SW-846 Method 8270D selected ion monitoring (SIM) by ALS Environmental in Rochester, New York.



Table 4-9
Summary of Extraction Well Sample Results - EW-1
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Volatile Organic Compounds (VOCs) (µg/L)				
1,1,1,2-Tetrachloroethane	50 U	50 U	50 U	50.0 U
1,1,1-Trichloroethane	50 U	50 U	50 U	50.0 U
1,1,2,2-Tetrachloroethane	50 U	50 U	50 U	50.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	50 U	50 U	50 U	50.0 U
1,1,2-Trichloroethane	50 U	50 U	50 U	50.0 U
1,1-Dichloroethane	50 U	50 U	50 U	50.0 U
1,1-Dichloroethene	50 U	50 U	50 U	50.0 U
1,2,3-Trichlorobenzene	50 U	50 U	50 U	50.0 U
1,2,4-Trichlorobenzene	72	65	91	62.3
1,2-Dibromo-3-chloropropane	50 U	50 U	50 U	50.0 U
1,2-Dibromoethane	50 U	50 U	50 U	50.0 U
1,2-Dichlorobenzene	50 U	50 U	50 U	50.0 U
1,2-Dichloroethane	170	130	110	134
1,2-Dichloropropane	50 U	50 U	50 U	50.0 U
1,3-Dichlorobenzene	50 U	50 U	50 U	50.0 U
1,4-Dichlorobenzene	50 U	50 U	50 U	50.0 U
2-Butanone	50 U	50 U	50 U	50.0 U
2-Hexanone	250 U	250 U	250 U	50.0 U
4-Methyl-2-pentanone	50 U	50 U	50 U	50.0 U
Acetone	250 U	250 U	250 U	61.8 J
Benzene	590	590 Z	540	649
Bromobenzene	50 U	50 U	50 U	50.0 U
Bromochloromethane	50 U	50 U	50 U	50.0 U
Bromodichloromethane	50 U	50 U	50 U	50.0 U
Bromoform	50 U	50 U	50 U	50.0 U
Bromomethane	50 U	50 U	50 U	50.0 U
Carbon disulfide	50 U	50 U	50 U	50.0 U
Carbon tetrachloride	50 U	50 U	50 U	50.0 U
Chlorobenzene	100	110	120	125
Chloroethane	50 U	50 U	50 U	50.0 U
Chloroform	50 U	50 U	50 U	50.0 U
Chloromethane	50 U	50 U	50 U	50.0 U
cis-1,2-Dichloroethene	640	560	550	646
cis-1,3-Dichloropropene	50 U	50 U	50 U	50.0 U
Cyclohexane	50 U	50 U	50 U	50.0 U
Dibromochloromethane	50 U	50 U	50 U	50.0 U
Dichlorodifluoromethane	50 U	50 U	50 U	50.0 U
Ethylbenzene	50 U	50 U	50 U	50.0 U
Isopropylbenzene	50 U	50 U	50 U	50.0 U
m,p-Xylene	50 U	50 U	50 U	100 U
Methyl acetate	50 U	50 U	50 U	50.0 U
Methyl tert-butyl ether	50 U	50 U	50 U	50.0 U
Methylcyclohexane	50 U	50 U	50 U	50.0 U

Table 4-9
Summary of Extraction Well Sample Results - EW-1
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Methylene chloride	56	50 U	50 U	50.0 U
o-Xylene	50 U	50 U	50 U	50.0 U
Styrene	50 U	50 U	50 U	50.0 U
Tetrachloroethene	50 U	50 U	50 U	50.0 U
Toluene	200	220	200	253
trans-1,2-Dichloroethene	50 U	50 U	50 U	50.0 U
trans-1,3-Dichloropropene	50 U	50 U	50 U	50.0 U
Trichloroethene	6,800	7,200	6,500	7,740
Trichlorofluoromethane	50 U	50 U	50 U	50.0 U
Vinyl chloride	50 U	50 U	50 U	50.0 U
Semi-Volatile Organic Compounds (SVOCs) (µg/L)				
1,4-Dioxane	6.5	6.6	6.2	5.6
2,4,5-Trichlorophenol	10 U	10 U	10 U	5.0 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	5.0 U
2,4-Dichlorophenol	10 U	10 U	10 U	5.0 U
2,4-Dimethylphenol	2 J	10 U	10 U	5.0 U
2,4-Dinitrophenol	10 U	10 U	10 U	10.0 U
2,4-Dinitrotoluene	10 U	8 J	10 U	5.0 U
2,6-Dinitrotoluene	10 U	10 U	10 U	5.0 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	5.0 U
2-Chloronaphthalene	5 U	5 U	5 U	5.0 U
2-Chlorophenol	10 U	10 U	10 U	5.0 U
2-Methylnaphthalene	5 U	5 U	5 U	5.0 U
2-Methylphenol	5 J	4 J	5 JZ	5.0
2-Nitroaniline	10 U	10 U	10 U	5.0 U
2-Nitrophenol	10 U	10 U	10 U	5.0 U
3&4-Methylphenol	5 J	5 JZ	7 J	6.2
3,3'-Dichlorobenzidine	10 U	10 U	10 U	5.0 U
3-Nitroaniline	10 U	10 U	10 U	5.0 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10.0 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	5.0 U
4-Chloro-3-methylphenol	10 U	1 JZ	10 U	5.0 U
4-Chloroaniline	10 U	10 U	10 U	5.0 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	5.0 U
4-Nitroaniline	10 U	10 U	10 U	5.0 U
4-Nitrophenol	10 U	10 U	10 U	10.0 U
Acenaphthene	5 U	5 U	5 U	5.0 U
Acenaphthylene	5 U	5 U	5 U	5.0 U
Anthracene	5 U	5 U	5 U	5.0 U
Benzo[a]anthracene	5 U	5 U	5 U	5.0 U
Benzo[a]pyrene	5 U	5 U	5 U	5.0 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5.0 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5.0 U
Benzo[k]fluoranthene	5 U	5 U	5 U	5.0 U



Table 4-9
Summary of Extraction Well Sample Results - EW-1
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	5.0 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	5.0 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	5.0 U
Butylbenzylphthalate	10 U	10 U	10 U	5.0 U
Carbazole	5 U	5 U	5 U	5.0 U
Chrysene	5 U	5 U	5 U	5.0 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5.0 U
Dibenzofuran	5 U	5 U	5 U	5.0 U
Diethylphthalate	10 U	10 U	10 U	5.0 U
Dimethylphthalate	10 U	10 U	10 U	5.0 U
Di-n-butylphthalate	10 U	10 U	10 U	5.0 U
Di-n-octylphthalate	10 U	10 U	10 U	5.0 U
Fluoranthene	5 U	5 U	5 U	5.0 U
Fluorene	5 U	5 U	5 U	5.0 U
Hexachlorobenzene	10 U	10 U	10 U	5.0 U
Hexachlorobutadiene	10 U	10 U	10 U	5.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 UZ	5.0 U
Hexachloroethane	10 U	10 U	10 U	5.0 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5.0 U
Isophorone	10 U	10 U	10 U	5.0 U
Naphthalene	5 U	5 U	5 U	5.0 U
Nitrobenzene	10 U	10 U	10 U	5.0 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	5.0 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	5.0 U
Pentachlorophenol	10 U	1 J	10 U	10.0 U
Phenanthrene	5 U	5 U	5 U	5.0 U
Phenol	3 J	3 J	3 J	2.9 J
Pyrene	5 U	5 U	5 U	5.0 U
Metals (mg/L)				
Aluminum	0.20 U	0.0364 J	0.0268 J	0.200 U
Antimony	0.060 U	0.060 U	0.060 U	0.0600 U
Arsenic	0.0071 J	0.0089 J	0.0075 J	0.0074 J
Barium	0.0640 J	0.0709 J	0.0730 J	0.0651 J
Beryllium	0.0050 U	0.0050 U	0.00030 J	0.0050 U
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	24.7	27.0 E	26.7	24.1
Chromium	0.010 U	0.010 U	0.010 U	0.0100 U
Cobalt	0.050 U	0.050 U	0.050 U	0.0500 U
Copper	0.00090 J	0.0011 J	0.0021 JE	0.0033 J
Iron	0.10 U	0.0595 J	0.0633 JN*	0.100 U
Lead	0.0029 J	0.0090	0.0113	0.0038 J
Magnesium	4.80	5.59 E	5.61	5.07
Manganese	0.266	0.298 E	0.288	0.269
Mercury	0.00020 UN	0.00020 U	---	----

Table 4-9
Summary of Extraction Well Sample Results - EW-1
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Nickel	0.040 U	0.040 U	0.040 U	0.0400 U
Potassium	5.0 U	5.0 U	1.48 J	5.00 U
Selenium	0.010 UN	0.010 UN	0.010 U	0.0100 U
Silver	0.010 U	0.010 U	0.010 U	0.0100 U
Sodium	50.3	56.7	57.0 E	52.5
Thallium	0.010 U	0.0025 J	0.010 U	0.0100 U
Vanadium	0.050 U	0.050 U	0.050 U	0.0500 U
Zinc	0.169 N*	0.439 E	0.0618	2.08
Polychlorinated biphenyls (PCBs) (µg/L)				
PCB-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1260	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "a" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at or above the reported practical quantitation limit.
5. "J" designates compound is considered estimated.
6. "E" designates serial dilution is not within laboratory acceptance criteria or the value is estimated due to interference.
7. "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
8. "*" designates duplicate analysis is not within laboratory quality control (QC) limits.
9. "Z" designates continuing calibration verification (CCV) exceeds laboratory QC limits.
10. "---" designates compound was not analyzed for on that sampling date.
11. "D" designates compound result is from a dilution.
12. Detections are bolded.

Table 4-9
Summary of Extraction Well Sample Results - EW-2
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Volatile Organic Compounds (VOCs) (µg/L)				
1,1,1,2-Tetrachloroethane	200 U	200 U	200 U	200 U
1,1,1-Trichloroethane	200 U	200 U	200 U	205
1,1,2,2-Tetrachloroethane	200 U	200 U	200 U	200 U
1,1,2-Trichloro-1,2,2-trifluoroethane	200 U	200 U	200 U	200 U
1,1,2-Trichloroethane	200 U	200 U	200 U	200 U
1,1-Dichloroethane	230	200 U	200 U	200 U
1,1-Dichloroethene	200 U	200 U	200 U	200 U
1,2,3-Trichlorobenzene	200	200 U	230	200 U
1,2,4-Trichlorobenzene	900	750	1,100	809
1,2-Dibromo-3-chloropropane	200 U	200 U	200 U	200 U
1,2-Dibromoethane	200 U	200 U	200 U	200 U
1,2-Dichlorobenzene	200 U	200 U	200 U	200 U
1,2-Dichloroethane	1,200	890	770	925
1,2-Dichloropropane	200 U	200 U	200 U	200 U
1,3-Dichlorobenzene	200 U	200 U	200 U	200 U
1,4-Dichlorobenzene	200 U	200 U	200 U	200 U
2-Butanone	200 U	200 U	200 U	200 U
2-Hexanone	1,000 U	1,000 U	1,000 U	200 U
4-Methyl-2-pentanone	200 U	200 U	200 U	200 U
Acetone	930 J	600 J	340 J	642 J
Benzene	4,500	4,600 Z	4,100	4,890
Bromobenzene	200 U	200 U	200 U	200 U
Bromochloromethane	200 U	200 U	200 U	200 U
Bromodichloromethane	200 U	200 U	200 U	200 U
Bromoform	200 U	200 U	200 U	200 U
Bromomethane	200 U	200 U	200 U	200 U
Carbon disulfide	200 U	200 U	200 U	200 U
Carbon tetrachloride	200 U	200 U	200 U	200 U
Chlorobenzene	1,000	1,300	1,200	1,310
Chloroethane	200 U	200 U	200 U	200 U
Chloroform	1,200	1,000 Z	880	1,020
Chloromethane	200 U	200 U	200 U	200 U
cis-1,2-Dichloroethene	6,800	5,800	6,000	6,860
cis-1,3-Dichloropropene	200 U	200 U	200 U	200 U
Cyclohexane	200 U	200 U	200 U	200 U
Dibromochloromethane	200 U	200 U	200 U	200 U
Dichlorodifluoromethane	200 U	200 U	200 U	200 U
Ethylbenzene	240	240	310	318
Isopropylbenzene	200 U	200 U	200 U	200 U
m,p-Xylene	530	460	640	663
Methyl acetate	200 U	200 U	200 U	200 U
Methyl tert-butyl ether	200 U	200 U	200 U	200 U
Methylcyclohexane	200 U	200 U	200 U	200 U



Table 4-9
Summary of Extraction Well Sample Results - EW-2
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Methylene chloride	2,500	1,700	1,900	2,140
o-Xylene	310 D	260	370	376
Styrene	200 U	200 U	200 U	200 U
Tetrachloroethene	200	220	270	301
Toluene	7,300	8,200	7,500	8,160
trans-1,2-Dichloroethene	200 U	200 U	200 U	200 U
trans-1,3-Dichloropropene	200 U	200 U	200 U	200 U
Trichloroethene	33,000	35,000	31,000	37,600
Trichlorofluoromethane	200 U	200 U	200 U	200 U
Vinyl chloride	420	260	340	423
Semi-Volatile Organic Compounds (SVOCs) (µg/L)				
1,4-Dioxane	67	66	56	55
2,4,5-Trichlorophenol	10 U	10 U	10 U	5.0 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	5.0 U
2,4-Dichlorophenol	10 U	10 U	10 U	5.0 U
2,4-Dimethylphenol	11	13	12	21.3
2,4-Dinitrophenol	10 U	10 U	10 UZ	10.0 U
2,4-Dinitrotoluene	10 U	10 U	10 U	5.0 U
2,6-Dinitrotoluene	10 U	10 U	10 U	5.0 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	5.0 U
2-Chloronaphthalene	5 U	5 U	5 U	5.0 U
2-Chlorophenol	2 J	1 J	10 U	5.0 U
2-Methylnaphthalene	2 JZ	2 J	2 J	2.0 J
2-Methylphenol	67	46	45 Z	76.4
2-Nitroaniline	10 U	10 U	10 U	5.0 U
2-Nitrophenol	10 U	10 U	10 U	5.0 U
3&4-Methylphenol	90 D	86 D	67	174
3,3'-Dichlorobenzidine	10 U	10 U	10 U	5.0 U
3-Nitroaniline	10 U	10 U	10 U	5.0 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 UZ	10.0 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	5.0 U
4-Chloro-3-methylphenol	10 U	10 U	11	5.0 U
4-Chloroaniline	10 U	10 U	10 U	5.0 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	5.0 U
4-Nitroaniline	10 U	10 U	10 U	5.0 U
4-Nitrophenol	10 U	10 U	10 U	10.0 U
Acenaphthene	5 U	5 U	5 U	5.0 U
Acenaphthylene	5 U	5 U	5 U	5.0 U
Anthracene	5 U	5 U	5 U	5.0 U
Benzo[a]anthracene	5 U	5 U	5 U	5.0 U
Benzo[a]pyrene	5 U	5 U	5 U	5.0 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5.0 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5.0 U
Benzo[k]fluoranthene	5 U	5 U	5 U	5.0 U

Table 4-9
Summary of Extraction Well Sample Results - EW-2
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
bis(2-Chloroethoxy)methane	10 U	10 U	10 UZ	5.0 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	5.0 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	5.0 U
Butylbenzylphthalate	10 U	10 U	10 U	5.0 U
Carbazole	5 U	5 U	5 U	5.0 U
Chrysene	5 U	5 U	5 UZ	5.0 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5.0 U
Dibenzofuran	5 U	5 U	5 U	5.0 U
Diethylphthalate	10 U	10 U	10 U	5.0 U
Dimethylphthalate	10 U	10 U	10 U	5.0 U
Di-n-butylphthalate	10 U	10 U	10 U	5.0 U
Di-n-octylphthalate	10 U	10 U	10 U	5.0 U
Fluoranthene	5 U	5 U	5 U	5.0 U
Fluorene	5 U	5 U	5 U	5.0 U
Hexachlorobenzene	10 U	10 U	10 U	5.0 U
Hexachlorobutadiene	10 U	10 U	10 U	5.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	5.0 U
Hexachloroethane	10 U	10 U	10 U	5.0 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5.0 U
Isophorone	4 J	4 J	4 J	6.0
Naphthalene	10	11	11	12.5
Nitrobenzene	10 U	10 U	10 U	5.0 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	5.0 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	5.0 U
Pentachlorophenol	16	18	17	16.5
Phenanthrene	5 U	5 U	5 U	5.0 U
Phenol	70	45	43	124
Pyrene	5 U	5 U	5 U	5.0 U
Metals (mg/L)				
Aluminum	0.20 U	0.0354 J	0.20 U	0.0315 J
Antimony	0.060 U	0.060 U	0.060 U	0.0600 U
Arsenic	0.0056 J	0.0071 J	0.0057 J	0.0065 J
Barium	0.178 J	0.201	0.170 J	0.173 J
Beryllium	0.0050 U	0.0050 U	0.00020 J	0.00017 J
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	19.4	23.7 E	21.0	18.6
Chromium	0.010 U	0.010 U	0.010 U	0.0100 U
Cobalt	0.050 U	0.050 U	0.050 U	0.0500 U
Copper	0.0029 J	0.0025 J	0.0035 JE	0.0243 J
Iron	0.10 U	0.10 U	0.0798 JN*	0.100 U
Lead	0.0022 J	0.0020 J	0.0027 J	0.0019 J
Magnesium	4.23	5.45 E	4.87	4.52
Manganese	0.419	0.513 E	0.450	0.401
Mercury	0.00020 UN	0.00020 U	---	---

Table 4-9
Summary of Extraction Well Sample Results - EW-2
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Nickel	0.040 U	0.040 U	0.0035 J	0.0400 U
Potassium	5.0 U	5.0 U	0.722 J	5.00 U
Selenium	0.010 UN	0.010 UN	0.010 U	0.0100 U
Silver	0.010 U	0.010 U	0.010 U	0.0100 U
Sodium	45.8	54.5	49.4 E	43.2
Thallium	0.010 U	0.010 U	0.0023 J	0.0100 U
Vanadium	0.050 U	0.050 U	0.050 U	0.0500 U
Zinc	0.0144 JN*	0.0357 E	0.320	0.0383
Polychlorinated biphenyls (PCBs) (µg/L)				
PCB-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1260	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "a" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at or above the reported practical quantitation limit.
5. "J" designates compound is considered estimated.
6. "E" designates serial dilution is not within laboratory acceptance criteria or the value is estimated due to interference.
7. "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
8. "*" designated duplicate analysis is not within laboratory quality control (QC) limits.
9. "Z" designates continuing calibration verification (CCV) exceeds laboratory QC limits.
10. "----" designates compound was not analyzed for on that sampling date.
11. "D" designates compound result is from a dilution.
12. Detections are bolded.

Table 4-9
Summary of Extraction Well Sample Results - EW-3
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016 ^a	
Volatile Organic Compounds (VOCs) (µg/L)					
1,1,1,2-Tetrachloroethane	25 U	25 U	20 U	20.0 U	10.0 U
1,1,1-Trichloroethane	25 U	25 U	20 U	20.0 U	10.0 U
1,1,2,2-Tetrachloroethane	25 U	25 U	20 U	20.0 U	10.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	25 U	25 U	20 U	20.0 U	10.0 U
1,1,2-Trichloroethane	25 U	25 U	20 U	20.0 U	10.0 U
1,1-Dichloroethane	25 U	25 U	20 U	24.8	24.6
1,1-Dichloroethene	25 U	25 U	20 U	20.0 U	10.0 U
1,2,3-Trichlorobenzene	25 U	25 U	20 U	20.0 U	10.0 U
1,2,4-Trichlorobenzene	25 U	25 U	20 U	20.0 U	10.0 U
1,2-Dibromo-3-chloropropane	25 U	25 U	20 U	20.0 U	10.0 U
1,2-Dibromoethane	25 U	25 U	20 U	20.0 U	10.0 U
1,2-Dichlorobenzene	25 U	25 U	20 U	20.0 U	10.0 U
1,2-Dichloroethane	30	40	27	34.5	34.0
1,2-Dichloropropane	25 U	25 U	20 U	20.0 U	10.0 U
1,3-Dichlorobenzene	25 U	25 U	20 U	20.0 U	10.0 U
1,4-Dichlorobenzene	25 U	25 U	20 U	20.0 U	10.0 U
2-Butanone	25 U	25 U	20 U	20.0 U	10.0 U
2-Hexanone	130 U	130 U	100 U	20.0 U	10.0 U
4-Methyl-2-pentanone	25 U	25 U	20 U	88.8	48.1
Acetone	43 J	85 J	44 J	73.3 J	71.0
Benzene	2,700	3,300 Z	2,500	3,020	2,900
Bromobenzene	25 U	25 U	20 U	20.0 U	10.0 U
Bromochloromethane	25 U	25 U	20 U	20.0 U	10.0 U
Bromodichloromethane	25 U	25 U	20 U	20.0 U	10.0 U
Bromoform	25 U	25 U	20 U	20.0 U	10.0 U
Bromomethane	25 U	25 U	20 U	20.0 U	10.0 U
Carbon disulfide	25 U	25 U	20 U	20.0 U	10.0 U
Carbon tetrachloride	25 U	25 U	20 U	20.0 U	10.0 U
Chlorobenzene	440	440	390	471	454
Chloroethane	25 U	25 U	20 U	20.0 U	10.0 U
Chloroform	25 U	25 U	20 U	20.0 U	10.0 U
Chloromethane	25 U	25 U	20 U	20.0 U	10.0 U
cis-1,2-Dichloroethene	160	170	140	158	156
cis-1,3-Dichloropropene	25 U	25 U	20 U	20.0 U	10.0 U
Cyclohexane	25 U	25 U	20 U	20.0 U	10.0 U
Dibromochloromethane	25 U	25 U	20 U	20.0 U	10.0 U
Dichlorodifluoromethane	25 U	25 U	20 U	20.0 U	10.0 U
Ethylbenzene	34	31	34	43.7	42.8
Isopropylbenzene	25 U	25 U	20 U	20.0 U	10.0 U
m,p-Xylene	120	94	120	159	153
Methyl acetate	25 U	25 U	20 U	20.0 U	10.0 U
Methyl tert-butyl ether	25 U	25 U	20 U	20.0 U	10.0 U
Methylcyclohexane	25 U	25 U	20 U	20.0 U	10.0 U



Table 4-9
Summary of Extraction Well Sample Results - EW-3
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016 ^a	
Methylene chloride	25 U	25 U	20 U	20.0 U	10.0 U
o-Xylene	40	28	39	50.2	49.9
Styrene	25 U	25 U	20 U	20.0 U	10.0 U
Tetrachloroethene	25 U	25 U	20 U	20.0 U	10.0 U
Toluene	2,300	3,100	2,700	3,600	3,520
trans-1,2-Dichloroethene	25 U	25 U	20 U	20.0 U	10.0 U
trans-1,3-Dichloropropene	25 U	25 U	20 U	20.0 U	10.0 U
Trichloroethene	110	110	94	110	109
Trichlorofluoromethane	25 U	25 U	20 U	20.0 U	10.0 U
Vinyl chloride	40	31	39	63.9	62.6
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
1,4-Dioxane	100	100	82	80	74
2,4,5-Trichlorophenol	10 U	10 U	10 U	5.0 U	5.0 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	5.0 U	5.0 U
2,4-Dichlorophenol	10 U	10 U	10 U	5.0 U	5.0 U
2,4-Dimethylphenol	14	10	13	22.1	22.4
2,4-Dinitrophenol	10 U	10 U	10 UZ	10.0 U	10.0 U
2,4-Dinitrotoluene	10 U	10 U	10 U	5.0 U	5.0 U
2,6-Dinitrotoluene	10 U	10 U	10 U	5.0 U	5.0 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	5.0 U	5.0 U
2-Chloronaphthalene	5 U	5 U	5 U	5.0 U	5.0 U
2-Chlorophenol	2 J	1 J	10 U	5.0 U	5.0 U
2-Methylnaphthalene	5 U	5 U	5 U	5.0 U	5.0 U
2-Methylphenol	15	11	13 Z	18.6	18.5
2-Nitroaniline	10 U	10 U	10 U	5.0 U	5.0 U
2-Nitrophenol	10 U	10 U	10 U	5.0 U	5.0 U
3&4-Methylphenol	88 DJ	73	77	142	135
3,3'-Dichlorobenzidine	10 U	10 U	10 U	5.0 U	5.0 U
3-Nitroaniline	10 U	10 U	10 U	5.0 U	5.0 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 UZ	10.0 U	10.0 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	5.0 U	5.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	5.0 U	5.0 U
4-Chloroaniline	10 U	10 U	10 U	5.0 U	5.0 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	5.0 U	5.0 U
4-Nitroaniline	10 U	10 U	10 U	5.0 U	5.0 U
4-Nitrophenol	10 U	10 U	10 U	10.0 U	10.0 U
Acenaphthene	5 U	5 U	5 U	5.0 U	5.0 U
Acenaphthylene	5 U	5 U	5 U	5.0 U	5.0 U
Anthracene	5 U	5 U	5 U	5.0 U	5.0 U
Benzo[a]anthracene	5 U	5 U	5 U	5.0 U	5.0 U
Benzo[a]pyrene	5 U	5 U	5 U	5.0 U	5.0 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5.0 U	5.0 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5.0 U	5.0 U
Benzo[k]fluoranthene	5 U	5 U	5 U	5.0 U	5.0 U



Table 4-9
Summary of Extraction Well Sample Results - EW-3
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016 ^a	
bis(2-Chloroethoxy)methane	10 U	10 U	10 UZ	5.0 U	5.0 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	5.0 U	5.0 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	5.0 U	5.0 U
Butylbenzylphthalate	10 U	10 U	10 U	5.0 U	5.0 U
Carbazole	5 U	5 U	5 U	5.0 U	5.0 U
Chrysene	5 U	5 U	5 UZ	5.0 U	5.0 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5.0 U	5.0 U
Dibenzofuran	5 U	5 U	5 U	5.0 U	5.0 U
Diethylphthalate	10 U	10 U	10 U	5.0 U	5.0 U
Dimethylphthalate	10 U	10 U	10 U	5.0 U	5.0 U
Di-n-butylphthalate	10 U	10 U	10 U	5.0 U	5.0 U
Di-n-octylphthalate	10 U	10 U	10 U	5.0 U	5.0 U
Fluoranthene	5 U	5 U	5 U	5.0 U	5.0 U
Fluorene	5 U	5 U	5 U	5.0 U	5.0 U
Hexachlorobenzene	10 U	10 U	10 U	5.0 U	5.0 U
Hexachlorobutadiene	10 U	10 U	10 U	5.0 U	5.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	5.0 U	5.0 U
Hexachloroethane	10 U	10 U	10 U	5.0 U	5.0 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5.0 U	5.0 U
Isophorone	10 U	10 U	10 U	5.0 U	5.0 U
Naphthalene	5 U	5 U	5 U	5.0 U	5.0 U
Nitrobenzene	10 U	10 U	10 U	5.0 U	5.0 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	5.0 U	5.0 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	5.0 U	5.0 U
Pentachlorophenol	10 U	10 U	10 U	10.0 U	10.0 U
Phenanthrene	5 U	5 U	5 U	5.0 U	5.0 U
Phenol	4 J	3 J	3 J	5.2	5.0
Pyrene	5 U	5 U	5 U	5.0 U	5.0 U
Metals (mg/L)					
Aluminum	0.20 U	0.20 U	0.20 U	0.200 U	0.200 U
Antimony	0.060 U	0.060 U	0.060 U	0.0600 U	0.0600 U
Arsenic	0.010 U	0.010 U	0.010 U	0.0041 J	0.0057 J
Barium	0.257	0.246	0.238	0.263	0.264
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.00012 J
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	9.00	8.44 E	12.6	13.3	13.2
Chromium	0.010 U	0.010 U	0.010 U	0.0100 U	0.0100 U
Cobalt	0.050 U	0.050 U	0.050 U	0.0500 U	0.0500 U
Copper	0.00090 J	0.025 U	0.00040 JE	0.0015 J	0.0014 J
Iron	0.10 U	0.10 U	0.281 N*	0.883	1.61
Lead	0.0027 J	0.0025 J	0.0029 J	0.00089 J	0.0013 J
Magnesium	0.338 J	0.329 JE	0.639 J	0.599	0.594
Manganese	0.0913	0.0887 E	0.111	0.159	0.175
Mercury	0.00020 UN	0.00020 U	---	---	---

Table 4-9
Summary of Extraction Well Sample Results - EW-3
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016 ^a	
Nickel	0.040 U	0.040 U	0.040 U	0.0114 J	0.0073 J
Potassium	5.0 U	5.0 U	1.02 J	0.770 J	0.593 J
Selenium	0.010 UN	0.010 UN	0.010 U	0.0100 U	0.0100 U
Silver	0.010 U	0.010 U	0.010 U	0.0100 U	0.0100 U
Sodium	158	165	167 E	144	146
Thallium	0.010 U	0.010 U	0.010 U	0.0100 U	0.0100 U
Vanadium	0.050 U	0.050 U	0.050 U	0.0500 U	0.0500 U
Zinc	0.0618 N*	0.0956 E	0.0410	1.39	1.17
Polychlorinated biphenyls (PCBs) (µg/L)					
PCB-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1260	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "a" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at or above the reported practical quantitation limit.
5. "J" designates compound is considered estimated.
6. "E" designates serial dilution is not within laboratory acceptance criteria or the value is estimated due to interference.
7. "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
8. "*" designates duplicate analysis is not within laboratory quality control (QC) limits.
9. "Z" designates continuing calibration verification (CCV) exceeds laboratory QC limits.
10. "---" designates compound was not analyzed for on that sampling date.
11. "D" designates compound result is from a dilution.
12. Detections are bolded.

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

Parameters	3/23/2016 ^a		5/18/2016	8/24/2016	11/16/2016
Volatile Organic Compounds (VOCs) (µg/L)					
1,1,1,2-Tetrachloroethane	500 U	250 U	200 U	200 U	200 U
1,1,1-Trichloroethane	500 U	250 U	200 U	200 U	384
1,1,2,2-Tetrachloroethane	500 U	250 U	200 U	200 U	200 U
1,1,2-Trichloro-1,2,2-trifluoroethane	500 U	250 U	200 U	200 U	200 U
1,1,2-Trichloroethane	500 U	250 U	200 U	200 U	200 U
1,1-Dichloroethane	500 U	290	240	200 U	282
1,1-Dichloroethene	500 U	250 U	200 U	200 U	200 U
1,2,3-Trichlorobenzene	500 U	250 U	200 U	200 U	200 U
1,2,4-Trichlorobenzene	500 U	250 U	200 U	200 U	200 U
1,2-Dibromo-3-chloropropane	500 U	250 U	200 U	200 U	200 U
1,2-Dibromoethane	500 U	250 U	200 U	200 U	200 U
1,2-Dichlorobenzene	500 U	250 U	200 U	200 U	200 U
1,2-Dichloroethane	680	790	200 U	510	735
1,2-Dichloropropane	500 U	250 U	200 U	200 U	200 U
1,3-Dichlorobenzene	500 U	250 U	200 U	200 U	200 U
1,4-Dichlorobenzene	500 U	250 U	200 U	200 U	200 U
2-Butanone	500 U	250 U	200 U	200 U	236
2-Hexanone	2,500 U	1,300 U	1,000 U	1,000 U	200 U
4-Methyl-2-pentanone	500 U	250 U	200 U	200 U	967
Acetone	3,200	3,400	2,100	1,800	2,180
Benzene	17,000	19,000	19,000	16,000	20,200
Bromobenzene	500 U	250 U	200 U	200 U	200 U
Bromochloromethane	500 U	250 U	200 U	200 U	200 U
Bromodichloromethane	500 U	250 U	200 U	200 U	200 U
Bromoform	500 U	250 U	200 U	200 U	200 U
Bromomethane	500 U	250 U	200 U	200 U	200 U
Carbon disulfide	500 U	250 U	200 U	200 U	200 U
Carbon tetrachloride	500 U	250 U	200 U	200 U	200 U
Chlorobenzene	3,100	3,300	3,900	4,000	4,500
Chloroethane	500 U	250 U	200 U	200 U	200 U
Chloroform	500 U	270	230	220	308
Chloromethane	500 U	250 U	200 U	200 U	200 U
cis-1,2-Dichloroethene	4,600	5,200	4,300	4,800	6,180
cis-1,3-Dichloropropene	500 U	250 U	200 U	200 U	200 U
Cyclohexane	500 U	250 U	200 U	200 U	200 U
Dibromochloromethane	500 U	250 U	200 U	200 U	200 U
Dichlorodifluoromethane	500 U	250 U	200 U	200 U	200 U
Ethylbenzene	500 U	290	290	380	424
Isopropylbenzene	500 U	250 U	200 U	200 U	200 U
m,p-Xylene	1,100	1,100	1,100	1,500	1,650
Methyl acetate	500 U	250 U	200 U	200 U	200 U
Methyl tert-butyl ether	500 U	250 U	200 U	200 U	200 U
Methylcyclohexane	500 U	250 U	200 U	200 U	200 U



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

Parameters	3/23/2016 ^a		5/18/2016	8/24/2016	11/16/2016
Methylene chloride	630	440	260	410	558
o-Xylene	500 U	350	290	440	490
Styrene	500 U	250 U	200 U	200 U	200 U
Tetrachloroethene	500 U	250 U	200 U	200 U	200 U
Toluene	19,000	21,000	23,000	22,000	26,900
trans-1,2-Dichloroethene	500 U	250 U	200 U	200 U	200 U
trans-1,3-Dichloropropene	500 U	250 U	200 U	200 U	200 U
Trichloroethene	1,200	1,300	1,100	1,000	1,300
Trichlorofluoromethane	500 U	250 U	200 U	200 U	200 U
Vinyl chloride	780	800	460	610	919
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
1,4-Dioxane	280	280	280	260	300
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4-Dichlorophenol	1 JZ	10 U	10 U	10 U	5.0 U
2,4-Dimethylphenol	130 DJ	86 DJ	110 DJZ	130 D	165 J
2,4-Dinitrophenol	10 U	10 U	10 U	10 UZ	10.0 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	5.0 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	5.0 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U	5.0 U
2-Chlorophenol	14	13	10	8 J	13.7
2-Methylnaphthalene	5 U	5 U	5 U	5 U	5.0 U
2-Methylphenol	170 DJ	120 DJ	120 DJ	110 D	267
2-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
2-Nitrophenol	10 U	10 U	10 U	10 U	5.0 U
2,2'-oxybis(1-Chloropropane	10 U	10 U	10 U	10 U	5.0 U
3&4-Methylphenol	640 D	400 D	500 D	540 D	1,000
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	5.0 U
3-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10 UZ	10.0 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	5.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	5.0 U
4-Chloroaniline	10 U	10 U	10 U	10 U	5.0 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	5.0 U
4-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10.0 U
Acenaphthene	5 U	5 U	5 U	5 U	5.0 U
Acenaphthylene	5 U	5 U	5 U	5 U	5.0 U
Anthracene	5 U	5 U	5 U	5 U	5.0 U
Benzo[a]anthracene	5 U	5 U	5 U	5 U	5.0 U
Benzo[a]pyrene	5 U	5 U	5 U	5 U	5.0 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5 U	5.0 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5 U	5.0 U
Benzo[k]fluoranthene	5 U	5 U	5 U	5 U	5.0 U

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

Parameters	3/23/2016 ^a		5/18/2016	8/24/2016	11/16/2016
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 UZ	5.0 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	5.0 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	5.0 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	5.0 U
Carbazole	5 U	5 U	5 U	5 U	5.0 U
Chrysene	5 U	5 U	5 U	5 UZ	5.0 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5 U	5.0 U
Dibenzofuran	5 U	5 U	5 U	5 U	5.0 U
Diethylphthalate	10 U	10 U	10 U	10 U	5.0 U
Dimethylphthalate	10 U	10 U	10 U	10 U	5.0 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	5.0 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	5.0 U
Fluoranthene	5 U	5 U	5 U	5 U	5.0 U
Fluorene	5 U	5 U	5 U	5 U	5.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	5.0 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	5.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	5.0 U
Hexachloroethane	10 U	10 U	10 U	10 U	5.0 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5 U	5.0 U
Isophorone	10 U	10 U	10 U	10 U	5.0 U
Naphthalene	2 J	2 J	13	5 U	2.4 J
Nitrobenzene	10 U	10 U	10 U	10 U	5.0 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	5.0 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	5.0 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10.0 U
Phenanthrene	5 U	5 U	5 U	5 U	5.0 U
Phenol	260 D	180 DJ	200 D	210 D	564
Pyrene	5 U	5 U	5 U	5 U	5.0 U
Metals (mg/L)					
Aluminum	0.20 U	0.20 U	0.0261 J	0.20 U	0.200 U
Antimony	0.060 U	0.060 U	0.060 U	0.060 U	0.0600 U
Arsenic	0.0068 J	0.0052 J	0.0037 J	0.010 U	0.0100 U
Barium	2.48	2.55	2.67	2.55	2.49
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	43.1	44.7	46.7 E	47.9	42.8
Chromium	0.010 U	0.010 U	0.010 U	0.010 U	0.0100 U
Cobalt	0.050 U	0.050 U	0.050 U	0.050 U	0.0500 U
Copper	0.0015 J	0.0015 J	0.0032 J	0.00060 JE	0.0030 J
Iron	0.114	0.0777 J	0.0583 J	0.131 N*	0.0968 J
Lead	0.0037 J	0.0045 J	0.0039 J	0.0048 J	0.0018 J
Magnesium	2.55	2.62	2.99 E	3.08	2.84
Manganese	0.941	0.952	1.02 E	1.09	0.988
Mercury	0.00020 UN	0.00020 UN	0.00020 U	---	---

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

Parameters	3/23/2016 ^a		5/18/2016	8/24/2016	11/16/2016
Nickel	0.040 U	0.040 U	0.040 U	0.040 U	0.0400 U
Potassium	1.03 J	0.913 J	5.0 U	1.54 J	1.03 J
Selenium	0.010 UN	0.010 UN	0.010 UN	0.010 U	0.0100 U
Silver	0.010 U	0.010 U	0.010 U	0.010 U	0.0100 U
Sodium	146	146	159	177 E	157
Thallium	0.010 U	0.010 U	0.010 U	0.0033 J	0.0100 U
Vanadium	0.050 U	0.050 U	0.050 U	0.050 U	0.0500 U
Zinc	0.634 N*	0.402 N*	1.11 E	0.020 U	0.217
Polychlorinated biphenyls (PCBs) (µg/L)					
PCB-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1260	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "a" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at or above the reported practical quantitation limit.
5. "J" designates compound is considered estimated.
6. "E" designates serial dilution is not within laboratory acceptance criteria or the value is estimated due to interference.
7. "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
8. "*" designates duplicate analysis is not within laboratory quality control (QC) limits.
9. "Z" designates continuing calibration verification (CCV) exceeds laboratory QC limits.
10. "----" designates compound was not analyzed for on that sampling date.
11. "D" designates compound result is from a dilution.
12. Detections are bolded.

Table 4-9
Summary of Extraction Well Sample Results - EW-5
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Volatile Organic Compounds (VOCs) (µg/L)				
1,1,1,2-Tetrachloroethane	50 U	50 U	50 U	50.0 U
1,1,1-Trichloroethane	50 U	62	50 U	106
1,1,2,2-Tetrachloroethane	50 U	50 U	50 U	50.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	50 U	50 U	50 U	50.0 U
1,1,2-Trichloroethane	50 U	50 U	50 U	50.0 U
1,1-Dichloroethane	92	67	52	74.2
1,1-Dichloroethene	50 U	50 U	50 U	50.0 U
1,2,3-Trichlorobenzene	50 U	50 U	50 U	50.0 U
1,2,4-Trichlorobenzene	50 U	50 U	50 U	50.0 U
1,2-Dibromo-3-chloropropane	50 U	50 U	50 U	50.0 U
1,2-Dibromoethane	50 U	50 U	50 U	50.0 U
1,2-Dichlorobenzene	50 U	50 U	50 U	50.0 U
1,2-Dichloroethane	270	190	150	191
1,2-Dichloropropane	50 U	50 U	50 U	50.0 U
1,3-Dichlorobenzene	50 U	50 U	50 U	50.0 U
1,4-Dichlorobenzene	50 U	50 U	50 U	50.0 U
2-Butanone	50 U	50 U	50 U	50.0 U
2-Hexanone	250 U	250 U	250 U	50.0 U
4-Methyl-2-pentanone	50 U	50 U	50 U	222
Acetone	450	260	140 J	263
Benzene	8,100	7,900 Z	6,400	7,570
Bromobenzene	50 U	50 U	50 U	50.0 U
Bromochloromethane	50 U	50 U	50 U	50.0 U
Bromodichloromethane	50 U	50 U	50 U	50.0 U
Bromoform	50 U	50 U	50 U	50.0 U
Bromomethane	50 U	50 U	50 U	50.0 U
Carbon disulfide	50 U	50 U	50 U	50.0 U
Carbon tetrachloride	50 U	50 U	50 U	50.0 U
Chlorobenzene	1,000	1,200	1,100	1,270
Chloroethane	50 U	50 U	50 U	50.0 U
Chloroform	160	120 Z	89	110
Chloromethane	50 U	50 U	50 U	50.0 U
cis-1,2-Dichloroethene	1,500	1,100	1,100	1,290
cis-1,3-Dichloropropene	50 U	50 U	50 U	50.0 U
Cyclohexane	50 U	50 U	50 U	50.0 U
Dibromochloromethane	50 U	50 U	50 U	50.0 U
Dichlorodifluoromethane	50 U	50 U	50 U	50.0 U
Ethylbenzene	50 U	51	62	70.4
Isopropylbenzene	50 U	50 U	50 U	50.0 U
m,p-Xylene	160	150	200	237
Methyl acetate	50 U	50 U	50 U	50.0 U
Methyl tert-butyl ether	50 U	50 U	50 U	50.0 U
Methylcyclohexane	50 U	50 U	50 U	50.0 U



Table 4-9
Summary of Extraction Well Sample Results - EW-5
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Methylene chloride	66	50 U	50 U	70.4
o-Xylene	57	50 U	68	79.7
Styrene	50 U	50 U	50 U	50.0 U
Tetrachloroethene	50 U	50 U	50 U	50.0 U
Toluene	3,200	3,300	3,300	4,320
trans-1,2-Dichloroethene	50 U	50 U	50 U	50.0 U
trans-1,3-Dichloropropene	50 U	50 U	50 U	50.0 U
Trichloroethene	220	190	140	178
Trichlorofluoromethane	50 U	50 U	50 U	50.0 U
Vinyl chloride	250	120	160	233
Semi-Volatile Organic Compounds (SVOCs) (µg/L)				
1,4-Dioxane	180	180	140	220
2,4,5-Trichlorophenol	10 U	10 U	10 U	5.0 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	5.0 U
2,4-Dichlorophenol	10 U	10 U	10 U	5.0 U
2,4-Dimethylphenol	24	15	17	38.7
2,4-Dinitrophenol	10 U	10 U	10 UZ	10.0 U
2,4-Dinitrotoluene	10 U	10 U	10 U	5.0 U
2,6-Dinitrotoluene	10 U	10 U	10 U	5.0 U
2-Chloronaphthalene	5 U	5 U	5 U	5.0 U
2-Chlorophenol	2 J	1 J	10 U	2.7 J
2-Methylnaphthalene	5 U	5 U	5 U	5.0 U
2-Methylphenol	34	21	19 Z	60.8
2-Nitroaniline	10 U	10 U	10 U	5.0 U
2-Nitrophenol	10 U	10 U	10 U	5.0 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	5.0 U
3&4-Methylphenol	100 D	65	63	191
3,3'-Dichlorobenzidine	10 U	10 U	10 U	5.0 U
3-Nitroaniline	10 U	10 U	10 U	5.0 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 UZ	10.0 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	5.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	5.0 U
4-Chloroaniline	10 U	10 U	10 U	5.0 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	5.0 U
4-Nitroaniline	10 U	10 U	10 U	5.0 U
4-Nitrophenol	10 U	10 U	10 U	10.0 U
Acenaphthene	5 U	5 U	5 U	5.0 U
Acenaphthylene	5 U	5 U	5 U	5.0 U
Anthracene	5 U	5 U	5 U	5.0 U
Benzo[a]anthracene	5 U	5 U	5 U	5.0 U
Benzo[a]pyrene	5 U	5 U	5 U	5.0 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5.0 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5.0 U
Benzo[k]fluoranthene	5 U	5 U	5 U	5.0 U



Table 4-9
Summary of Extraction Well Sample Results - EW-5
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
bis(2-Chloroethoxy)methane	10 U	10 U	10 UZ	5.0 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	5.0 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	5.0 U
Butylbenzylphthalate	10 U	10 U	10 U	5.0 U
Carbazole	5 U	5 U	5 U	5.0 U
Chrysene	5 U	5 U	5 UZ	5.0 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5.0 U
Dibenzofuran	5 U	5 U	5 U	5.0 U
Diethylphthalate	10 U	10 U	10 U	5.0 U
Dimethylphthalate	10 U	10 U	10 U	5.0 U
Di-n-butylphthalate	10 U	10 U	10 U	5.0 U
Di-n-octylphthalate	10 U	10 U	10 U	5.0 U
Fluoranthene	5 U	5 U	5 U	5.0 U
Fluorene	5 U	5 U	5 U	5.0 U
Hexachlorobenzene	10 U	10 U	10 U	5.0 U
Hexachlorobutadiene	10 U	10 U	10 U	5.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	5.0 U
Hexachloroethane	10 U	10 U	10 U	5.0 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5.0 U
Isophorone	10 U	10 U	10 U	5.0 U
Naphthalene	5 U	5 U	5 U	5.0 U
Nitrobenzene	10 U	10 U	10 U	5.0 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	5.0 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	5.0 U
Pentachlorophenol	10 U	10 U	10 U	10.0 U
Phenanthrene	5 U	5 U	5 U	5.0 U
Phenol	24	16	14	63.6
Pyrene	5 U	5 U	5 U	5.0 U
Metals (mg/L)				
Aluminum	0.20 U	0.0233 J	0.20 U	0.200 U
Antimony	0.0068 J	0.060 U	0.060 U	0.0600 U
Arsenic	0.0816	0.0131	0.0077 J	0.0304
Barium	0.568	0.574	0.581	0.565
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	59.7	61.9 E	62.9	53.0
Chromium	0.010 U	0.010 U	0.010 U	0.0100 U
Cobalt	0.0021 J	0.050 U	0.050 U	0.00080 J
Copper	0.0024 J	0.0021 J	0.00060 JE	0.0028 J
Iron	3.11	0.188	0.0600 JN*	1.77
Lead	0.0035 J	0.0030 J	0.0041 J	0.0050 U
Magnesium	6.77	7.30 E	7.24	6.26
Manganese	1.47	0.595 E	0.600	0.583
Mercury	0.00020 UN	0.00020 U	---	---



Table 4-9
Summary of Extraction Well Sample Results - EW-5
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Nickel	0.040 U	0.040 U	0.040 U	0.0400 U
Potassium	0.846 J	5.0 U	1.32 J	1.03 J
Selenium	0.010 UN	0.010 UN	0.010 U	0.0100 U
Silver	0.010 U	0.010 U	0.010 U	0.0100 U
Sodium	114	130	143 E	122
Thallium	0.010 U	0.010 U	0.010 U	0.0100 U
Vanadium	0.050 U	0.050 U	0.050 U	0.0500 U
Zinc	87.5 DN*	1.51 E	0.0215	6.62
Polychlorinated biphenyls (PCBs) (µg/L)				
PCB-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1260	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "a" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at or above the reported practical quantitation limit.
5. "J" designates compound is considered estimated.
6. "E" designates serial dilution is not within laboratory acceptance criteria or the value is estimated due to interference.
7. "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
8. "*" designates duplicate analysis is not within laboratory quality control (QC) limits.
9. "Z" designates continuing calibration verification (CCV) exceeds laboratory QC limits.
10. "---" designates compound was not analyzed for on that sampling date.
11. "D" designates compound result is from a dilution.
12. Detections are bolded.

Table 4-9
Summary of Extraction Well Sample Results - EW-6
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016 ^a	8/24/2016	11/16/2016
Volatile Organic Compounds (VOCs) (µg/L)				
1,1,1,2-Tetrachloroethane	250 U	500 U	500 U	500 U
1,1,1-Trichloroethane	620	680	750	500 U
1,1,2,2-Tetrachloroethane	250 U	500 U	500 U	500 U
1,1,2-Trichloro-1,2,2-trifluoroethane	250 U	500 U	500 U	500 U
1,1,2-Trichloroethane	250 U	500 U	500 U	500 U
1,1-Dichloroethane	800	620	680	520
1,1-Dichloroethene	250 U	500 U	500 U	500 U
1,2,3-Trichlorobenzene	250 U	500 U	500 U	500 U
1,2,4-Trichlorobenzene	250 U	500 U	500 U	500 U
1,2-Dibromo-3-chloropropane	250 U	500 U	500 U	500 U
1,2-Dibromoethane	250 U	500 U	500 U	500 U
1,2-Dichlorobenzene	250 U	500 U	500 U	500 U
1,2-Dichloroethane	2,100	1,700	1,800	1,100
1,2-Dichloropropane	250 U	500 U	500 U	500 U
1,3-Dichlorobenzene	250 U	500 U	500 U	500 U
1,4-Dichlorobenzene	250 U	500 U	500 U	500 U
2-Butanone	250 U	500 U	500 U	500 U
2-Hexanone	1,300 U	2,500 U	2,500 U	2,500 U
4-Methyl-2-pentanone	730	530	500 U	500 U
Acetone	9,300	5,500	5,800	3,900
Benzene	50,000	52,000 Z	55,000 Z	42,000
Bromobenzene	250 U	500 U	500 U	500 U
Bromochloromethane	250 U	500 U	500 U	500 U
Bromodichloromethane	250 U	500 U	500 U	500 U
Bromoform	250 U	500 U	500 U	500 U
Bromomethane	250 U	500 U	500 U	500 U
Carbon disulfide	250 U	500 U	500 U	500 U
Carbon tetrachloride	250 U	500 U	500 U	500 U
Chlorobenzene	10,000	13,000	13,000	12,000
Chloroethane	250 U	500 U	500 U	500 U
Chloroform	840	760 Z	790 Z	500 U
Chloromethane	250 U	500 U	500 U	500 U
cis-1,2-Dichloroethene	22,000	18,000	20,000	19,000
cis-1,3-Dichloropropene	250 U	500 U	500 U	500 U
Cyclohexane	250 U	500 U	500 U	500 U
Dibromochloromethane	250 U	500 U	500 U	500 U
Dichlorodifluoromethane	250 U	500 U	500 U	500 U
Ethylbenzene	900	880	920	1,000
Isopropylbenzene	250 U	500 U	500 U	500 U
m,p-Xylene	3,500	3,300	3,500	4,200
Methyl acetate	250 U	500 U	500 U	500 U
Methyl tert-butyl ether	250 U	500 U	500 U	500 U
Methylcyclohexane	250 U	500 U	500 U	500 U

Table 4-9
Summary of Extraction Well Sample Results - EW-6
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016 ^a	8/24/2016	11/16/2016	
Methylene chloride	2,400	1,800	1,700	1,500	2,510
o-Xylene	1,000	940	870	1,300	1,270
Styrene	250 U	500 U	500 U	500 U	500 U
Tetrachloroethene	250 U	500 U	500 U	500 U	500 U
Toluene	51,000 D	69,000	72,000	67,000	68,800
trans-1,2-Dichloroethene	250 U	500 U	500 U	500 U	500 U
trans-1,3-Dichloropropene	250 U	500 U	500 U	500 U	500 U
Trichloroethene	810	750	690	540	763
Trichlorofluoromethane	250 U	500 U	500 U	500 U	500 U
Vinyl chloride	4,900	2,600	2,700	3,700	4,120
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
1,4-Dioxane	940	920	980	700	880
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4-Dichlorophenol	5 JZ	2 J	2 J	10 U	4.5 J
2,4-Dimethylphenol	370 DJ	560 DZ	370 DJZ	440 D	644
2,4-Dinitrophenol	10 U	10 U	10 U	10 UZ	10.0 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	5.0 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	5.0 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	5.0 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U	5.0 U
2-Chlorophenol	38	24	25	25	45.6
2-Methylnaphthalene	5 U	5 U	5 U	5 U	1.2 J
2-Methylphenol	610 D	690 D	460 DJ	520 D	1,010
2-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
2-Nitrophenol	10 U	10 U	10 U	10 U	5.0 U
3&4-Methylphenol	1,800 D	2,100 D	1,600 D	1,700 D	3,300
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	5.0 U
3-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10 UZ	10.0 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	5.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	5.0 U
4-Chloroaniline	10 U	10 U	10 U	10 U	5.0 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	5.0 U
4-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10.0 U
Acenaphthene	5 U	5 U	5 U	5 U	5.0 U
Acenaphthylene	5 U	5 U	5 U	5 U	5.0 U
Anthracene	5 U	5 U	5 U	5 U	5.0 U
Benzo[a]anthracene	5 U	5 U	5 U	5 U	5.0 U
Benzo[a]pyrene	5 U	5 U	5 U	5 U	5.0 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5 U	5.0 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5 U	5.0 U
Benzo[k]fluoranthene	5 U	5 U	5 U	5 U	5.0 U



Table 4-9
Summary of Extraction Well Sample Results - EW-6
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016 ^a	8/24/2016	11/16/2016	
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 UZ	5.0 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	5.0 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	5.0 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	5.0 U
Carbazole	5 U	5 U	5 U	5 U	5.0 U
Chrysene	5 U	5 U	5 U	5 UZ	5.0 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5 U	5.0 U
Dibenzofuran	5 U	5 U	5 U	5 U	5.0 U
Diethylphthalate	1 J	1 J	1 J	1 J	5.0 U
Dimethylphthalate	10 U	10 U	10 U	10 U	5.0 U
Di-n-butylphthalate	1 J	10 U	10 U	10 U	5.0 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	5.0 U
Fluoranthene	5 U	5 U	5 U	5 U	5.0 U
Fluorene	5 U	5 U	5 U	5 U	5.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	5.0 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	5.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	5.0 U
Hexachloroethane	10 U	10 U	10 U	10 U	5.0 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5 U	5.0 U
Isophorone	10 U	10 U	10 U	10 U	5.0 U
Naphthalene	7	7	7	5 U	7.3
Nitrobenzene	10 U	10 U	10 U	10 U	5.0 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	5.0 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	5.0 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10.0 U
Phenanthrene	5 U	5 U	5 U	5 U	5.0 U
Phenol	930 D	900 D	770 D	710 D	1,920
Pyrene	5 U	5 U	5 U	5 U	5.0 U
Metals (mg/L)					
Aluminum	0.20 U	0.0242 J	0.20 U	0.20 U	0.200 U
Antimony	0.060 U	0.060 U	0.060 U	0.060 U	0.0600 U
Arsenic	0.0129	0.0109	0.0098 J	0.0116	0.0151
Barium	5.24	5.45	5.95	5.93	5.15
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	200	204 E	221 E	219	188
Chromium	0.010 U	0.010 U	0.010 U	0.010 U	0.0100 U
Cobalt	0.050 U	0.050 U	0.050 U	0.050 U	0.0500 U
Copper	0.0014 J	0.0014 J	0.0010 J	0.025 UE	0.0250 U
Iron	0.499	0.607	0.599	0.586 N*	0.642
Lead	0.0095	0.0074	0.0085	0.0128	0.0012 J
Magnesium	31.4	33.0 E	36.0 E	37.1	30.8
Manganese	2.03	2.14 E	2.31 E	2.19	2.02
Mercury	0.00020 UN	0.00020 U	0.00020 U	---	---

Table 4-9
Summary of Extraction Well Sample Results - EW-6
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016 ^a	8/24/2016	11/16/2016
Nickel	0.040 U	0.040 U	0.040 U	0.0400 U
Potassium	1.95 J	0.747 J	0.835 J	3.08 J
Selenium	0.010 UN	0.010 UN	0.010 UN	0.0100 U
Silver	0.010 U	0.010 U	0.010 U	0.0100 U
Sodium	35.3	40.3	43.8	41.1 E
Thallium	0.010 U	0.010 U	0.010 U	0.0052 J
Vanadium	0.050 U	0.050 U	0.050 U	0.0500 U
Zinc	1.94 N*	0.311 E	0.112 E	0.699
Polychlorinated biphenyls (PCBs) (µg/L)				
PCB-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1260	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Notes:

- Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
- "^a" designates a blind duplicate sample was collected, and is also reported.
- VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
- "U" designates the result is not detected at or above the reported practical quantitation limit.
- "J" designates compound is considered estimated.
- "E" designates serial dilution is not within laboratory acceptance criteria or the value is estimated due to interference.
- "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
- "*" designated duplicate analysis is not within laboratory quality control (QC) limits.
- "Z" designates continuing calibration verification (CCV) exceeds laboratory QC limits.
- "---" designates compound was not analyzed for on that sampling date.
- "D" designates compound result is from a dilution.
- Detections are bolded.



Table 4-9
Summary of Extraction Well Sample Results - EW-7
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/6/2016	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Volatile Organic Compounds (VOCs) (µg/L)					
1,1,1,2-Tetrachloroethane	200 U	200 U	400 U	400 U	400 U
1,1,1-Trichloroethane	200 U	200 U	400 U	400 U	400 U
1,1,2,2-Tetrachloroethane	200 U	200 U	400 U	400 U	400 U
1,1,2-Trichloro-1,2,2-trifluoroethane	200 U	200 U	400 U	400 U	400 U
1,1,2-Trichloroethane	200 U	200 U	400 U	400 U	400 U
1,1-Dichloroethane	200 U	280	400 U	400 U	400 U
1,1-Dichloroethene	200 U	200 U	400 U	400 U	400 U
1,2,3-Trichlorobenzene	200 U	200 U	400 U	400 U	400 U
1,2,4-Trichlorobenzene	200 U	200 U	400 U	400 U	400 U
1,2-Dibromo-3-chloropropane	200 U	200 U	400 U	400 U	400 U
1,2-Dibromoethane	200 U	200 U	400 U	400 U	400 U
1,2-Dichlorobenzene	200 U	200 U	400 U	400 U	400 U
1,2-Dichloroethane	450	240	400 U	400 U	400 U
1,2-Dichloropropane	200 U	200 U	400 U	400 U	400 U
1,3-Dichlorobenzene	200 U	200 U	400 U	400 U	400 U
1,4-Dichlorobenzene	200 U	200 U	400 U	400 U	400 U
2-Butanone	200 U	200 U	400 U	400 U	400 U
2-Hexanone	1,000 U	1,000 U	2,000 U	2,000 U	400 U
4-Methyl-2-pentanone	200 U	250	400 U	400 U	1770
Acetone	1,000	1,300	940 J	440 J	1,080 J
Benzene	32,000	32,000	32,000 Z	28,000	30,600
Bromobenzene	200 U	200 U	400 U	400 U	400 U
Bromochloromethane	200 U	200 U	400 U	400 U	400 U
Bromodichloromethane	200 U	200 U	400 U	400 U	400 U
Bromoform	200 U	200 U	400 U	400 U	400 U
Bromomethane	200 U	200 U	400 U	400 U	400 U
Carbon disulfide	200 U	200 U	400 U	400 U	400 U
Carbon tetrachloride	200 U	200 U	400 U	400 U	400 U
Chlorobenzene	8,000	6,500	8,100	7,700	8,640
Chloroethane	200 U	200 U	400 U	400 U	400 U
Chloroform	200 U	200 U	400 U	400 U	400 U
Chloromethane	200 U	200 U	400 U	400 U	400 U
cis-1,2-Dichloroethene	6,300	8,800	8,200	8,400	9,990
cis-1,3-Dichloropropene	200 U	200 U	400 U	400 U	400 U
Cyclohexane	200 U	200 U	400 U	400 U	400 U
Dibromochloromethane	200 U	200 U	400 U	400 U	400 U
Dichlorodifluoromethane	200 U	200 U	400 U	400 U	400 U
Ethylbenzene	720	600	660	690	816
Isopropylbenzene	200 U	200 U	400 U	400 U	400 U
m,p-Xylene	2,700	2,200	2,100	2,700	3,170
Methyl acetate	200 U	200 U	400 U	400 U	400 U
Methyl tert-butyl ether	200 U	200 U	400 U	400 U	400 U
Methylcyclohexane	200 U	200 U	400 U	400 U	400 U

Table 4-9
Summary of Extraction Well Sample Results - EW-7
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/6/2016	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Methylene chloride	200 U	250	400 U	400 U	400 U
o-Xylene	820	660	550	820	897
Styrene	200 U	200 U	400 U	400 U	400 U
Tetrachloroethene	200 U	200 U	400 U	400 U	400 U
Toluene	38,000	35,000 D	52,000	47,000	54,200
trans-1,2-Dichloroethene	200 U	200 U	400 U	400 U	400 U
trans-1,3-Dichloropropene	200 U	200 U	400 U	400 U	400 U
Trichloroethene	200 U	200 U	400 U	400 U	400 U
Trichlorofluoromethane	200 U	200 U	400 U	400 U	400 U
Vinyl chloride	2,800	4,100	2,400	3,100	3,840
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
1,4-Dioxane	900	1,400	1,200	760	1,000
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4-Dimethylphenol	240 D	300 DJ	310 DZ	350 D	535
2,4-Dinitrophenol	10 U	10 U	10 U	10 U	10.0 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	5.0 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	5.0 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	5.0 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U	5.0 U
2-Chlorophenol	10 U	6 J	5 J	6 J	6.6
2-Methylnaphthalene	5 U	5 U	5 U	5 U	0.65 J
2-Methylphenol	77 DJ	110 DJ	77 DJ	95 DJ	500 U
2-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
2-Nitrophenol	10 U	10 U	10 U	10 U	5.0 U
3&4-Methylphenol	710 D	1,000 D	840 D	1,000 D	2,260
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	5.0 U
3-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10 U	10.0 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	5.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	5.0 U
4-Chloroaniline	10 U	10 U	10 U	10 U	5.0 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	5.0 U
4-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10.0 U
Acenaphthene	5 U	5 U	5 U	5 U	5.0 U
Acenaphthylene	5 U	5 U	5 U	5 U	5.0 U
Anthracene	5 U	5 U	5 U	5 U	5.0 U
Benzo[a]anthracene	5 U	5 U	5 U	5 U	5.0 U
Benzo[a]pyrene	5 U	5 U	5 U	5 U	5.0 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5 U	5.0 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5 U	5.0 U
Benzo[k]fluoranthene	5 U	5 U	5 U	5 U	5.0 U

Table 4-9
Summary of Extraction Well Sample Results - EW-7
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/6/2016	3/23/2016	5/18/2016	8/24/2016	11/16/2016
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	5.0 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	5.0 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	5.0 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	5.0 U
Carbazole	5 U	5 U	5 U	5 U	5.0 U
Chrysene	5 U	5 U	5 U	5 U	5.0 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5 U	5.0 U
Dibenzofuran	5 U	5 U	5 U	5 U	5.0 U
Diethylphthalate	10 U	1 J	1 J	1 J	5.0 U
Dimethylphthalate	10 U	10 U	10 U	10 U	5.0 U
Di-n-butylphthalate	1 J	1 J	10 U	1 J	5.0 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	5.0 U
Fluoranthene	5 U	5 U	5 U	5 U	5.0 U
Fluorene	5 U	5 U	5 U	5 U	5.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	5.0 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	5.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 UZ	5.0 U
Hexachloroethane	10 U	10 U	10 U	10 U	5.0 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5 U	5.0 U
Isophorone	10 U	10 U	10 U	10 U	5.0 U
Naphthalene	3 J	4 J	4 J	8	5.7
Nitrobenzene	10 U	10 U	10 U	10 U	5.0 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	5.0 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	5.0 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10.0 U
Phenanthrene	5 U	5 U	5 U	5 U	5.0 U
Phenol	60 Z	87 DJ	70 DJ	72 DJ	500 U
Pyrene	5 U	5 U	5 U	5 U	5.0 U
Metals (mg/L)					
Aluminum	0.20 U	0.0989 J	0.20 U	0.20 U	0.200 U
Antimony	0.060 U	0.060 U	0.060 U	0.060 U	0.0600 U
Arsenic	0.0084 J	0.0040 J	0.0056 J	0.0042 J	0.0039 J
Barium	4.12	4.33	4.54	4.64	4.07
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.00012 J
Cadmium	0.00020 J	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	176	189	198 E	215	164
Chromium	0.010 U	0.010 U	0.010 U	0.010 U	0.0100 U
Cobalt	0.050 U	0.050 U	0.050 U	0.050 U	0.0500 U
Copper	0.025 U	0.0010 J	0.00080 J	0.00050 JE	0.0250 U
Iron	0.553	0.532	0.548	0.783 N*	0.635
Lead	0.0115 N	0.0093	0.0072	0.0121	0.0014 J
Magnesium	47.0	48.2	53.2 E	58.4	45.0
Manganese	0.893	0.928	1.03 E	1.12	0.905
Mercury	0.00020 U	0.00020 UN	0.00020 U	---	---

Table 4-9
Summary of Extraction Well Sample Results - EW-7
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/6/2016	3/23/2016	5/18/2016	8/24/2016	11/16/2016
Nickel	0.040 U	0.040 U	0.040 U	0.040 U	0.0400 U
Potassium	2.75 J	2.34 J	0.978 J	3.15 J	2.13 J
Selenium	0.010 UN	0.010 UN	0.010 UN	0.010 U	0.0100 U
Silver	0.010 U	0.010 U	0.010 U	0.010 U	0.0100 U
Sodium	22.7	23.1	24.6	24.8 E	20.8
Thallium	0.010 U	0.010 U	0.010 U	0.0022 J	0.0019 J
Vanadium	0.050 U	0.050 U	0.050 U	0.050 U	0.0500 U
Zinc	1.34	0.0039 JN*	0.0045 JE	0.020 U	0.0197 J
Polychlorinated biphenyls (PCBs) (µg/L)					
PCB-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1260	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Notes:

- Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
- "a" designates a blind duplicate sample was collected, and is also reported.
- VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
- "U" designates the result is not detected at or above the reported practical quantitation limit.
- "J" designates compound is considered estimated.
- "E" designates serial dilution is not within laboratory acceptance criteria or the value is estimated due to interference.
- "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
- "*" designates duplicate analysis is not within laboratory quality control (QC) limits.
- "Z" designates continuing calibration verification (CCV) exceeds laboratory QC limits.
- "---" designates compound was not analyzed for on that sampling date.
- "D" designates compound result is from a dilution.
- Detections are bolded.

Table 4-9
Summary of Extraction Well Sample Results - EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016 ^a	11/16/2016	
Volatile Organic Compounds (VOCs) (µg/L)					
1,1,1,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10.0 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	10.0 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	10.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U	10 U	10 U	10 U	10.0 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	10.0 U
1,1-Dichloroethane	10 U	10 U	10 U	10 U	10.0 U
1,1-Dichloroethene	10 U	10 U	10 U	10 U	10.0 U
1,2,3-Trichlorobenzene	10 U	10 U	10 U	10 U	10.0 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	10.0 U
1,2-Dibromo-3-chloropropane	10 U	10 U	10 U	10 U	10.0 U
1,2-Dibromoethane	10 U	10 U	10 U	10 U	10.0 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	10.0 U
1,2-Dichloroethane	10 U	10 U	10 U	10 U	10.0 U
1,2-Dichloropropane	10 U	10 U	10 U	10 U	10.0 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	10.0 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	10.0 U
2-Butanone	10 U	10 U	10 U	10 U	10.0 U
2-Hexanone	50 U	50 U	50 U	50 U	10.0 U
4-Methyl-2-pentanone	10 U	10 U	10 U	10 U	10.0 U
Acetone	21 J	13 J	50 U	50 U	14.0 J
Benzene	1,300	1,400 Z	1,200	1,200	1,230
Bromobenzene	10 U	10 U	10 U	10 U	10.0 U
Bromochloromethane	10 U	10 U	10 U	10 U	10.0 U
Bromodichloromethane	10 U	10 U	10 U	10 U	10.0 U
Bromoform	10 U	10 U	10 U	10 U	10.0 U
Bromomethane	10 U	10 U	10 U	10 U	10.0 U
Carbon disulfide	10 U	10 U	10 U	10 U	10.0 U
Carbon tetrachloride	10 U	10 U	10 U	10 U	10.0 U
Chlorobenzene	49	71	70	70	71.5
Chloroethane	10 U	10 U	10 U	10 U	10.0 U
Chloroform	10 U	10 U	10 U	10 U	10.0 U
Chloromethane	10 U	10 U	10 U	10 U	10.0 U
cis-1,2-Dichloroethene	10 U	10 U	10 U	10 U	10.0 U
cis-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10.0 U
Cyclohexane	10 U	10 U	10 U	10 U	10.0 U
Dibromochloromethane	10 U	10 U	10 U	10 U	10.0 U
Dichlorodifluoromethane	10 U	10 U	10 U	10 U	10.0 U
Ethylbenzene	10 U	10 U	10 U	10 U	10.0 U
Isopropylbenzene	10 U	10 U	10 U	10 U	10.0 U
m,p-Xylene	10 U	10 U	10 U	10 U	20.0 U
Methyl acetate	10 U	10 U	10 U	10 U	10.0 U
Methyl tert-butyl ether	10 U	10 U	10 U	10 U	10.0 U
Methylcyclohexane	10 U	10 U	10 U	10 U	10.0 U



Table 4-9
Summary of Extraction Well Sample Results - EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016 ^a	11/16/2016	
Methylene chloride	12	10 U	10 U	10 U	10.0 U
o-Xylene	10 U	10 U	10 U	10 U	10.0 U
Styrene	10 U	10 U	10 U	10 U	10.0 U
Tetrachloroethene	10 U	10 U	10 U	10 U	10.0 U
Toluene	42	36	26	27	31.4
trans-1,2-Dichloroethene	10 U	10 U	10 U	10 U	10.0 U
trans-1,3-Dichloropropene	10 U	10 U	10 U	10 U	10.0 U
Trichloroethene	10 U	10 U	10 U	10 U	10.0 U
Trichlorofluoromethane	10 U	10 U	10 U	10 U	10.0 U
Vinyl chloride	10 U	10 U	10 U	10 U	10.0 U
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
1,4-Dioxane	74	74	60	60	51
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	5.0 U
2,4-Dimethylphenol	2 J	1 J	2 J	10 U	5.0 U
2,4-Dinitrophenol	10 U	10 U	10 UZ	10 UZ	10.0 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	5.0 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	5.0 U
2,2'-oxybis(1-Chloropropane)	10 U	10 U	10 U	10 U	5.0 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U	5.0 U
2-Chlorophenol	10 U	1 J	10 U	10 U	5.0 U
2-Methylnaphthalene	5 U	5 U	5 U	5 U	5.0 U
2-Methylphenol	10 U	10 U	10 UZ	10 UZ	5.0 U
2-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
2-Nitrophenol	10 U	10 U	10 U	10 U	5.0 U
3&4-Methylphenol	2 J	1 JZ	3 J	20 U	5.0 U
3,3'-Dichlorobenzidine	10 U	10 U	10 U	10 U	5.0 U
3-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 UZ	10 UZ	10.0 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	5.0 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	5.0 U
4-Chloroaniline	10 U	10 U	10 U	10 U	5.0 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	5.0 U
4-Nitroaniline	10 U	10 U	10 U	10 U	5.0 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10.0 U
Acenaphthene	5 U	5 U	5 U	5 U	5.0 U
Acenaphthylene	5 U	5 U	5 U	5 U	5.0 U
Anthracene	5 U	5 U	5 U	5 U	5.0 U
Benzo[a]anthracene	5 U	5 U	5 U	5 U	5.0 U
Benzo[a]pyrene	5 U	5 U	5 U	5 U	5.0 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5 U	5.0 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5 U	5.0 U
Benzo[k]fluoranthene	5 U	5 U	5 U	5 U	5.0 U



Table 4-9
Summary of Extraction Well Sample Results - EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016 ^a	11/16/2016	
bis(2-Chloroethoxy)methane	10 U	10 U	10 UZ	10 UZ	5.0 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	5.0 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	5.0 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	5.0 U
Carbazole	5 U	5 U	5 U	5 U	5.0 U
Chrysene	5 U	5 U	5 UZ	5 UZ	5.0 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5 U	5.0 U
Dibenzofuran	5 U	5 U	5 U	5 U	5.0 U
Diethylphthalate	10 U	10 U	10 U	10 U	5.0 U
Dimethylphthalate	10 U	10 U	10 U	10 U	5.0 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	5.0 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	5.0 U
Fluoranthene	5 U	5 U	5 U	5 U	5.0 U
Fluorene	5 U	5 U	5 U	5 U	5.0 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	5.0 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	5.0 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	5.0 U
Hexachloroethane	10 U	10 U	10 U	10 U	5.0 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5 U	5.0 U
Isophorone	10 U	10 U	10 U	10 U	5.0 U
Naphthalene	5 U	5 U	5 U	5 U	5.0 U
Nitrobenzene	10 U	10 U	10 U	10 U	5.0 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	5.0 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	5.0 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10.0 U
Phenanthrene	5 U	5 U	5 U	5 U	5.0 U
Phenol	1 J	2 J	10 U	10 U	3.5 J
Pyrene	5 U	5 U	5 U	5 U	5.0 U
Metals (mg/L)					
Aluminum	0.0218 J	0.20 U	0.20 U	0.20 U	0.200 U
Antimony	0.060 U	0.060 U	0.060 U	0.060 U	0.0600 U
Arsenic	0.010 U	0.010 U	0.0057 J	0.010 U	0.0100 U
Barium	0.220	0.199 J	0.197 J	0.197 J	0.188 J
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	14.8	13.4 E	13.4	13.5	12.0
Chromium	0.010 U	0.010 U	0.010 U	0.010 U	0.0100 U
Cobalt	0.050 U	0.050 U	0.00050 J	0.050 U	0.0500 U
Copper	0.0013 J	0.0010 J	0.0256 E	0.00080 JE	0.0018 J
Iron	0.0621 J	0.10 U	2.06 N*	0.10 UN*	0.100 U
Lead	0.0027 J	0.0024 J	0.0056	0.0037 J	0.0013 J
Magnesium	1.21	1.19 E	1.13	1.18	1.06
Manganese	0.184	0.170 E	0.207	0.176	0.156
Mercury	0.00020 UN	0.00020 U	---	---	---

Table 4-9
Summary of Extraction Well Sample Results - EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016	5/18/2016	8/24/2016 ^a		11/16/2016
Nickel	0.040 U	0.040U	0.040 U	0.040 U	0.0400 U
Potassium	5.0 U	5.0 U	0.866 J	5.0 U	0.598 J
Selenium	0.010 UN	0.010 UN	0.010 U	0.010 U	0.0100 U
Silver	0.010 U	0.010 U	0.010 U	0.010 U	0.0100 U
Sodium	148	144	158 E	159 E	144
Thallium	0.010 U	0.010 U	0.010 U	0.0019 J	0.0100 U
Vanadium	0.050 U	0.050 U	0.050 U	0.050 U	0.0500 U
Zinc	0.020 UN*	0.020 UE	0.63	0.020 U	0.0200 U
Polychlorinated biphenyls (PCBs) (µg/L)					
PCB-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
PCB-1260	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "a" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at or above the reported practical quantitation limit.
5. "J" designates compound is considered estimated.
6. "E" designates serial dilution is not within laboratory acceptance criteria or the value is estimated due to interference.
7. "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
8. "*" designates duplicate analysis is not within laboratory quality control (QC) limits.
9. "Z" designates continuing calibration verification (CCV) exceeds laboratory QC limits.
10. "----" designates compound was not analyzed for on that sampling date.
11. "D" designates compound result is from a dilution.
12. Detections are bolded.

Table 4-10
Summary of Leachate Collection Tank Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016
Volatile Organic Compounds (VOCs) (µg/L)	
1,1,1,2-Tetrachloroethane	10 U
1,1,1-Trichloroethane	10 U
1,1,2,2-Tetrachloroethane	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U
1,1,2-Trichloroethane	10 U
1,1-Dichloroethane	13
1,1-Dichloroethene	10 U
1,2,3-Trichlorobenzene	10 U
1,2,4-Trichlorobenzene	10 U
1,2-Dibromo-3-chloropropane	10 U
1,2-Dibromoethane	10 U
1,2-Dichlorobenzene	10 U
1,2-Dichloroethane	10 U
1,2-Dichloropropane	10 U
1,3-Dichlorobenzene	12
1,4-Dichlorobenzene	58
2-Butanone	10 U
2-Hexanone	50 U
4-Methyl-2-pentanone	10 U
Acetone	33 J
Benzene	520
Bromobenzene	10 U
Bromochloromethane	10 U
Bromodichloromethane	10 U
Bromoform	10 U
Bromomethane	10 U
Carbon disulfide	10 U
Carbon tetrachloride	10 U
Chlorobenzene	950
Chloroethane	10 U
Chloroform	10 U
Chloromethane	10 U
cis-1,2-Dichloroethene	48
cis-1,3-Dichloropropene	10 U
Cyclohexane	10 U
Dibromochloromethane	10 U
Dichlorodifluoromethane	10 U
Ethylbenzene	82
Isopropylbenzene	10 U
m,p-Xylene	140
Methyl acetate	10 U
Methyl tert-butyl ether	10 U
Methylcyclohexane	10 U



Table 4-10
Summary of Leachate Collection Tank Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016
Methylene chloride	10 U
o-Xylene	91
Styrene	10 U
Tetrachloroethene	10 U
Toluene	920
trans-1,2-Dichloroethene	10 U
trans-1,3-Dichloropropene	10 U
Trichloroethene	50
Trichlorofluoromethane	10 U
Vinyl chloride	49
Semi-Volatile Organic Compounds (SVOCs) (µg/L)	
1,4-Dioxane	680
2,4,5-Trichlorophenol	10 U
2,4,6-Trichlorophenol	10 U
2,4-Dichlorophenol	2 JZ
2,4-Dimethylphenol	3 J
2,4-Dinitrophenol	10 U
2,4-Dinitrotoluene	10 U
2,6-Dinitrotoluene	10 U
2,2'-oxybis(1-Chloropropane)	10 U
2-Chloronaphthalene	5 U
2-Chlorophenol	14
2-Methylnaphthalene	5 U
2-Methylphenol	10
2-Nitroaniline	10 U
2-Nitrophenol	10 U
3&4-Methylphenol	4 J
3,3'-Dichlorobenzidine	10 U
3-Nitroaniline	10 U
4,6-Dinitro-2-methylphenol	10 U
4-Bromophenyl-phenylether	10 U
4-Chloro-3-methylphenol	10 U
4-Chloroaniline	10 U
4-Chlorophenyl-phenylether	10 U
4-Nitroaniline	10 U
4-Nitrophenol	10 U
Acenaphthene	5 U
Acenaphthylene	5 U
Anthracene	5 U
Benzo[a]anthracene	5 U
Benzo[a]pyrene	5 U
Benzo[b]fluoranthene	5 U
Benzo[g,h,i]perylene	5 U
Benzo[k]fluoranthene	5 U



Table 4-10
Summary of Leachate Collection Tank Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016
bis(2-Chloroethoxy)methane	10 U
bis(2-Chloroethyl)ether	10 U
bis(2-Ethylhexyl)phthalate	10 U
Butylbenzylphthalate	10 U
Carbazole	5 U
Chrysene	5 U
Dibenzo[a,h]anthracene	5 U
Dibenzofuran	5 U
Diethylphthalate	10 U
Dimethylphthalate	10 U
Di-n-butylphthalate	2 J
Di-n-octylphthalate	10 U
Fluoranthene	5 U
Fluorene	5 U
Hexachlorobenzene	10 U
Hexachlorobutadiene	10 U
Hexachlorocyclopentadiene	10 U
Hexachloroethane	10 U
Indeno[1,2,3-cd]pyrene	5 U
Isophorone	10 U
Naphthalene	4 J
Nitrobenzene	10 U
n-Nitroso-di-n-propylamine	10 U
n-Nitrosodiphenylamine	10 U
Pentachlorophenol	10 U
Phenanthrene	5 U
Phenol	2 J
Pyrene	5 U
Metals (mg/L)	
Aluminum	0.0319 J
Antimony	0.060 U
Arsenic	0.109
Barium	2.01
Beryllium	0.0050 U
Cadmium	0.00020 J
Calcium	142
Chromium	0.0055 J
Cobalt	0.0045 J
Copper	0.0217 J
Iron	32.7
Lead	0.0107
Magnesium	27.7
Manganese	12.6
Mercury	0.00020 UN



Table 4-10
Summary of Leachate Collection Tank Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	3/23/2016
Nickel	0.040 U
Potassium	2.12 J
Selenium	0.010 UN
Silver	0.0045 J
Sodium	27.8
Thallium	0.0048 J
Vanadium	0.050 U
Zinc	0.0821 N*
Polychlorinated Biphenyls (PCBs) (µg/L)	
PCB-1016	0.0500 U
PCB-1221	0.0500 U
PCB-1232	0.0500 U
PCB-1242	0.0500 U
PCB-1248	0.0500 U
PCB-1254	0.0500 U
PCB-1260	0.0750
Total PCBs	0.0750

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. VOCs, SVOCs, metals and mercury were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C and 7470A, respectively, by Pace Analytical Services in Melville, New York. PCBs analyzed by USEPA SW846 Method 8082B by Pace Analytical Services in Schenectady, New York. 1,4-Dioxane analyzed by USEPA SW-846 Method 8270D selected ion method (SIM) by ALS Environmental of Rochester, New York.
3. "U" designates the result is not detected at or above the reported practical quantitation limit.
4. "J" designates compound is considered estimated.
5. "Z" designates continuing calibration verification (CCV) exceeds laboratory quality control (QC) limits.
6. "N" designates matrix spike sample recovery is not within laboratory acceptance criteria.
7. "*" designated duplicate analysis is not within laboratory QC limits.
8. Detections are bolded.
9. Results from samples collected as part of the Mercury and PCB Minimization Program are not included in this report.



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

NYSDOH Well ID	Location	Sampling Dates		Notes
		VOCs	1,4-Dioxane	
Wells with POU Treatment Systems - Sampled Quarterly				
1	Mead Road	February 10, 2016	---	POU system installed 5/1996; bottled water also provided since 12/1999
		May 10, 2016		
		August 17, 2016	---	
		November 15, 2016		
23	Central Nassau Road	February 10, 2016	---	POU system installed 4/2004; bottled water provided since 6/2001
		May 10, 2016		
		August 17, 2016	---	
		November 15, 2016		
24S	Central Nassau Road	February 10, 2016	---	POU system installed 2/1993; bottled water also provided since 10/1998
		May 10, 2016		
		August 17, 2016	---	
		November 15, 2016		
24D	Central Nassau Road	February 10, 2016	---	POU system installed 2/1993; bottled water also provided since 10/1998
		May 10, 2016		
		August 17, 2016	---	
		November 15, 2016		
25	Central Nassau Road	February 10, 2016	---	POU system installed 4/1993; bottled water also provided since 12/1999
		May 10, 2016		
		August 17, 2016	---	
		November 15, 2016		
Wells without POU Treatment Systems - Sampled Semi-Annually				
3	Mead Road, west of Landfill	May 10, 2016 November 15, 2016		Bottled water provided
16	Central Nassau Road, near intersection of Curtis Hill Road	May 10, 2016 November 15, 2016		Bottled water provided
17 ^a	Central Nassau Road, near intersection of Curtis Hill Road	May 10, 2016 ---		Bottled water provided
18	Central Nassau Road, near intersection of Curtis Hill Road	May 10, 2016 November 15, 2016		Bottled water provided
19	Central Nassau Road, near intersection of Curtis Hill Road	May 10, 2016 November 15, 2016		Bottled water provided
20	Central Nassau Road, near intersection of Curtis Hill Road	May 10, 2016 November 15, 2016		Bottled water provided
21	Central Nassau Road, near intersection of Curtis Hill Road	May 10, 2016 November 15, 2016		Bottled water provided
22	Central Nassau Road, near intersection of Curtis Hill Road	May 10, 2016 November 15, 2016		Bottled water provided
32	Curtis Hill Road, near Central Nassau Road	May 10, 2016 November 15, 2016		Bottled water provided

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

NYSDOH Well ID	Location	Sampling Dates		Notes
		VOCs	1,4-Dioxane	
Wells without POU Treatment Systems - Sampled Annually				
26	Central Nassau Road	November 15, 2016	---	---
27 ^b	Central Nassau Road	February 10, 2016	---	---
		November 15, 2016	---	---
28	Central Nassau Road, near intersection of Mead Road	November 15, 2016	---	---
29	Central Nassau Road, near intersection of Mead Road	November 15, 2016	---	---
30	Mead Road, near intersection of Central Nassau Road	November 15, 2016	---	---
33	Mead Road, near intersection of Central Nassau Road	November 15, 2016	---	---
Wells without POU Treatment Systems - Sampled Biennially				
6	Nassau Averill Park Road	---	---	---
7	Nassau Averill Park Road	---	---	---
9	Nassau Averill Park Road, near intersection of Mead Road	---	---	---
10	Nassau Averill Park Road, near intersection of Mead Road	---	---	---
11 ^c	Nassau Averill Park Road	August 17 2016	---	---
12	Nassau Averill Park Road	---	---	---
13	Nassau Averill Park Road	---	---	---
34	Nassau Averill Park Road	May 10, 2016	Added to sampling program with biennial sampling frequency	
Wells Not Included in Residential Well Sampling Program but Sampled in 2016				
---	Central Nassau Road	May 10, 2016	---	Sampled at request of property owner
---	Central Nassau Road	May 10, 2016	---	Sampled at request of property owner
---	Curtis Hill Road	November 22, 2016	Sampled as part of RI/FS	

Notes:

1. "NYSDOH" designates New York State Department of Health.
2. "VOCs" designates volatile organic compounds.
3. "POU" designates point of use.
4. VOC analyses by United States Environmental Protection Agency (USEPA) Method 524.2 and 1,4-dioxane analyses by USEPA SW-846 Method 8270D selected ion method (SIM) were subcontracted by Pace Analytical Services in Schenectady, New York to ALS Environmental in Rochester, New York.
5. "---" designates not applicable.
6. "a" designates NYSDOH well 17 was not sampled in November 2016 because the property was unoccupied and the water was shut off.
7. "b" designates NYSDOH well 27 was also sampled in February 2016.
8. "c" designates NYSDOH well 11 was sampled in August 2016 because the property owners were unavailable during the biennial sampling event in 2015.

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

Location ID Sample ID Date	NYSDOH Well 1				NYSDOH Well 23			
	1-INLET-021016 2/10/2016	1-INLET-051016 5/10/2016	1-INLET-081716 8/17/2016	1-INLET-111516 11/15/2016	23-INLET-021016 2/10/2016	23-INLET-051016 5/10/2016	23-INLET-081716 8/17/2016	23-INLET-111516 11/15/2016
Compound								
1,1,1,2-Tetrachloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane	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	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	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	0.22 J	0.31 J	0.27 J	0.31 J	0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene	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-Dichloropropene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane	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	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-Trimethylbenzene	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-Dibromo-3-chloropropane	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-Dibromoethane	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-Dichloro-1,1,2-trifluoroethane	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	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	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.37 J
1,2-Dichloropropane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene	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	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-Dichloropropane	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	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-Dichloropropane	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	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorotoluene	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-Hexanone	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorotoluene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone	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	5.0 U	5.0 U	5.0 U	2.3 J	5.0 U	5.0 U	5.0 U	5.0 U
Benzene	0.21 J	0.33 J	0.50 U	0.55	0.36 J	0.48 J	0.50 U	1.1
Bromobenzene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromoform	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane	0.50 U	0.50 U	0.50 U	0.21 BJ	0.50 U	0.50 U	0.31 BJ	0.25 BJ
Carbon tetrachloride	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	1.3	1.2	0.41 J	1.3	0.50 U	0.50 U	0.50 U	0.50 U



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

Compound	Location ID Sample ID Date	NYSDOH Well 1				NYSDOH Well 23			
		1-INLET-021016 2/10/2016	1-INLET-051016 5/10/2016	1-INLET-081716 8/17/2016	1-INLET-111516 11/15/2016	23-INLET-021016 2/10/2016	23-INLET-051016 5/10/2016	23-INLET-081716 8/17/2016	23-INLET-111516 11/15/2016
Chloroethane		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		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		0.50 U	0.50 U	0.50 U	0.24 J	0.50 U	0.50 U	0.50 U	0.21 J
cis-1,2-Dichloroethene		0.50 U	0.50 U	0.50 U	0.50 U	0.54	0.61	0.47 J	1.5
cis-1,3-Dichloropropene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropylbenzene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Isopropyltoluene		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		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		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
n-Butylbenzene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
n-Propylbenzene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
sec-Butylbenzene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Styrene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol		20 U	20 U	5.0 J	20 U	20 U	20 U	20 U	20 U
tert-Butylbenzene		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		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Tetrahydrofuran		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Toluene		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		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-1,3-Dichloropropene		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Trichloroethene		0.50 U	0.50 U	0.50 U	0.50 U	6.3	8.3	7.3	26
Trichlorofluoromethane		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		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-Dioxane		---	0.74	---	0.59	---	0.20 U	---	0.030 J

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs and 1,4-dioxane analyzed by United States Environmental Protection Agency (USEPA) Method 524.2 and USEPA SW-846 Method 8270D selected ion method (SIM), respectively, by ALS Environmental in Rochester, New York.



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

4. "U" designates compound is not detected at or above the reported practical quantitation limit.
5. "J" designates result is considered estimated.
6. "B" designates analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
7. "---" designates compound was not analyzed for in that sample.
8. "b" designates a blind duplicate sample was collected and is also reported.
9. Detections are bolded.



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

Location ID Sample ID Date	NYSDOH Well 24D				NYSDOH Well 24S			
	24D-INLET-021016 2/10/2016	24D-INLET-051016 5/10/2016	24D-INLET-081716 8/17/2016	24D-INLET-111516 11/15/2016	24S-INLET-021016 2/10/2016	24S-INLET-051016 5/10/2016	24S-INLET-081716 8/17/2016	24S-INLET-111516 11/15/2016
Compound								
1,1,1,2-Tetrachloroethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,1,1-Trichloroethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,1,2,2-Tetrachloroethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,1,2-Trichloroethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,1-Dichloroethane	10 U	10 U	10 U	4.0 J	0.88 J	1.1 J	1.9 J	0.98 J
1,1-Dichloroethene	10 U	10 U	10 U	10 U	1.3 U	0.63 J	2.5 U	0.62 J
1,1-Dichloropropene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2,3-Trichlorobenzene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2,3-Trichloropropane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2,4-Trichlorobenzene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2,4-Trimethylbenzene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2-Dibromo-3-chloropropane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2-Dibromoethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2-Dichloro-1,1,2-trifluoroethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2-Dichlorobenzene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,2-Dichloroethane	7.2 J	8.8 J	7.2 J	8.6 J	1.6	2.4	3.5	2.0
1,2-Dichloropropane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,3,5-Trimethylbenzene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,3-Dichlorobenzene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,3-Dichloropropane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,4-Dichlorobenzene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
2,2-Dichloropropane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
2-Butanone	100 U	100 U	100 U	100 U	13 U	13 U	25 U	10 U
2-Chlorotoluene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
2-Hexanone	100 U	100 U	100 U	100 U	13 U	13 U	25 U	10 U
4-Chlorotoluene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
4-Methyl-2-pentanone	100 U	100 U	100 U	100 U	13 U	13 U	25 U	10 U
Acetone	100 U	100 U	100 U	100 U	5.0 J	16	25 U	4.1 J
Benzene	47	49	35	58	10	4.8	22	12
Bromobenzene	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Bromochloromethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Bromodichloromethane	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Bromoform	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Bromomethane	10 U	10 U	10 U	7.0 J	1.3 U	1.3 U	1.2 BJ	0.46 BJ
Carbon tetrachloride	10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Chlorobenzene	4.2 J	5.2 J	4.6 J	6.2 J	1.1 J	0.68 J	1.5 J	0.70 J



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

Compound	Location ID Sample ID Date	NYSDOH Well 24D				NYSDOH Well 24S			
		24D-INLET-021016 2/10/2016	24D-INLET-051016 5/10/2016	24D-INLET-081716 8/17/2016	24D-INLET-111516 11/15/2016	24S-INLET-021016 2/10/2016	24S-INLET-051016 5/10/2016	24S-INLET-081716 8/17/2016	24S-INLET-111516 11/15/2016
Chloroethane		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Chloroform		10 U	10 U	10 U	10 U	1.3 U	0.63 J	2.5 U	1.0 U
Chloromethane		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
cis-1,2-Dichloroethene		29	30	26	37	19	21	44	26
cis-1,3-Dichloropropene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Dibromochloromethane		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Dibromomethane		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Dichlorodifluoromethane		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Ethylbenzene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Hexachlorobutadiene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Isopropylbenzene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Isopropyltoluene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Methyl tert-butyl ether		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Methylene chloride		10 U	10 U	10 U	4.2 J	1.3 U	0.50 J	2.5 U	1.0 U
m,p-Xylene		20 U	20 U	20 U	20 U	2.5 U	2.5 U	5.0 U	2.0 U
Naphthalene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
n-Butylbenzene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
n-Propylbenzene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
o-Xylene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
sec-Butylbenzene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Styrene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
tert-Butyl alcohol		400 U	400 U	400 U	400 U	50 U	32 J	100 U	40 U
tert-Butylbenzene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Tetrachloroethene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Tetrahydrofuran		40 U	40 U	40 U	40 U	5.0 U	4.6 J	10 U	4.0 U
Toluene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
trans-1,2-Dichloroethene		10 U	10 U	10 U	10 U	31	21	93	51
trans-1,3-Dichloropropene		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Trichloroethene		740	710	660	820	87	170	99	68
Trichlorofluoromethane		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
Vinyl chloride		10 U	10 U	10 U	10 U	1.3 U	1.3 U	2.5 U	1.0 U
1,4-Dioxane		---	0.084 J / 0.084 J^b	---	0.080	---	0.037 J	---	0.054

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs and 1,4-dioxane analyzed by United States Environmental Protection Agency (USEPA) Method 524.2 and USEPA SW-846 Method 8270D selected ion method (SIM), respectively, by ALS Environmental in Rochester, New York.



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

4. "U" designates compound is not detected at or above the reported practical quantitation limit.
5. "J" designates result is considered estimated.
6. "B" designates analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
7. "---" designates compound was not analyzed for in that sample.
8. "b" designates a blind duplicate sample was collected and is also reported.
9. Detections are bolded.



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

Compound	Location ID Sample ID Date	NYSDOH Well 25			
		25-INLET-021016 2/10/2016	25-INLET-051016 5/10/2016	25-INLET-081716 8/17/2016	25-INLET-111516 11/15/2016
1,1,1,2-Tetrachloroethane		0.50 U	0.50 U	0.50 U	0.50 U
1,1,1-Trichloroethane		0.50 U	0.50 U	0.50 U	0.50 U
1,1,2,2-Tetrachloroethane		0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloro-1,2,2-trifluoroethane		0.50 U	0.50 U	0.50 U	0.50 U
1,1,2-Trichloroethane		0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethane		0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloroethene		0.50 U	0.50 U	0.50 U	0.50 U
1,1-Dichloropropene		0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichlorobenzene		0.50 U	0.50 U	0.50 U	0.50 U
1,2,3-Trichloropropane		0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trichlorobenzene		0.50 U	0.50 U	0.50 U	0.50 U
1,2,4-Trimethylbenzene		0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromo-3-chloropropane		0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane		0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloro-1,1,2-trifluoroethane		0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichlorobenzene		0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane		0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloropropane		0.50 U	0.50 U	0.50 U	0.50 U
1,3,5-Trimethylbenzene		0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichlorobenzene		0.50 U	0.50 U	0.50 U	0.50 U
1,3-Dichloropropane		0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dichlorobenzene		0.50 U	0.50 U	0.50 U	0.50 U
2,2-Dichloropropane		0.50 U	0.50 U	0.50 U	0.50 U
2-Butanone		5.0 U	5.0 U	5.0 U	5.0 U
2-Chlorotoluene		0.50 U	0.50 U	0.50 U	0.50 U
2-Hexanone		5.0 U	5.0 U	5.0 U	5.0 U
4-Chlorotoluene		0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone		5.0 U	5.0 U	5.0 U	5.0 U
Acetone		2.6 J	12	5.0 U	5.0 U
Benzene		0.30 J	0.34 J	0.28 J	0.21 J
Bromobenzene		0.50 U	0.50 U	0.50 U	0.50 U
Bromochloromethane		0.50 U	0.50 U	0.50 U	0.50 U
Bromodichloromethane		0.50 U	0.50 U	0.50 U	0.50 U
Bromoform		0.50 U	0.50 U	0.50 U	0.50 U
Bromomethane		0.21 J	0.50 U	0.50 U	0.30 BJ
Carbon tetrachloride		0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene		0.50 U	0.50 U	0.50 U	0.50 U



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

Compound	Location ID Sample ID Date	NYSDOH Well 25			
		25-INLET-021016 2/10/2016	25-INLET-051016 5/10/2016	25-INLET-081716 8/17/2016	25-INLET-111516 11/15/2016
Chloroethane		0.50 U	0.50 U	0.50 U	0.50 U
Chloroform		0.50 U	0.50 U	0.50 U	0.50 U
Chloromethane		0.28 J	0.50 U	0.50 U	0.22 J
cis-1,2-Dichloroethene		0.29 J	0.31 J	0.22 J	0.50 U
cis-1,3-Dichloropropene		0.50 U	0.50 U	0.50 U	0.50 U
Dibromochloromethane		0.50 U	0.50 U	0.50 U	0.50 U
Dibromomethane		0.50 U	0.50 U	0.50 U	0.50 U
Dichlorodifluoromethane		0.50 U	0.50 U	0.50 U	0.50 U
Ethylbenzene		0.50 U	0.50 U	0.50 U	0.50 U
Hexachlorobutadiene		0.50 U	0.50 U	0.50 U	0.50 U
Isopropylbenzene		0.50 U	0.50 U	0.50 U	0.50 U
Isopropyltoluene		0.50 U	0.50 U	0.50 U	0.50 U
Methyl tert-butyl ether		0.50 U	0.50 U	0.50 U	0.50 U
Methylene chloride		0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene		1.0 U	1.0 U	1.0 U	1.0 U
Naphthalene		0.50 U	0.50 U	0.50 U	0.50 U
n-Butylbenzene		0.50 U	0.50 U	0.50 U	0.50 U
n-Propylbenzene		0.50 U	0.50 U	0.50 U	0.50 U
o-Xylene		0.50 U	0.50 U	0.50 U	0.50 U
sec-Butylbenzene		0.50 U	0.50 U	0.50 U	0.50 U
Styrene		0.50 U	0.50 U	0.50 U	0.50 U
tert-Butyl alcohol		20 U	20 U	20 U	20 U
tert-Butylbenzene		0.50 U	0.50 U	0.50 U	0.50 U
Tetrachloroethene		0.50 U	0.50 U	0.50 U	0.50 U
Tetrahydrofuran		2.0 U	2.0 U	2.0 U	2.0 U
Toluene		0.50 U	0.50 U	0.50 U	0.50 U
trans-1,2-Dichloroethene		0.50 U	0.50 U	0.50 U	0.50 U
trans-1,3-Dichloropropene		0.50 U	0.50 U	0.50 U	0.50 U
Trichloroethene		4.5	4.6	4.5	2.7
Trichlorofluoromethane		0.50 U	0.50 U	0.50 U	0.50 U
Vinyl chloride		0.50 U	0.50 U	0.50 U	0.50 U
1,4-Dioxane		---	0.034 J	---	0.038 J / 0.041^b

Notes:

1. "VOCs" designates volatile organic compounds.

2. Results are in micrograms per liter (µg/L).

3. VOCs and 1,4-dioxane analyzed by United States Environmental Protection Agency (USEPA) Method 524.2 and USEPA SW-846 Method 8270D selected ion method (SIM), respectively, by ALS Environmental in Rochester, New York.



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

4. "U" designates compound is not detected at or above the reported practical quantitation limit.
5. "J" designates result is considered estimated.
6. "B" designates analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
7. "---" designates compound was not analyzed for in that sample.
8. "b" designates a blind duplicate sample was collected and is also reported.
9. Detections are bolded.

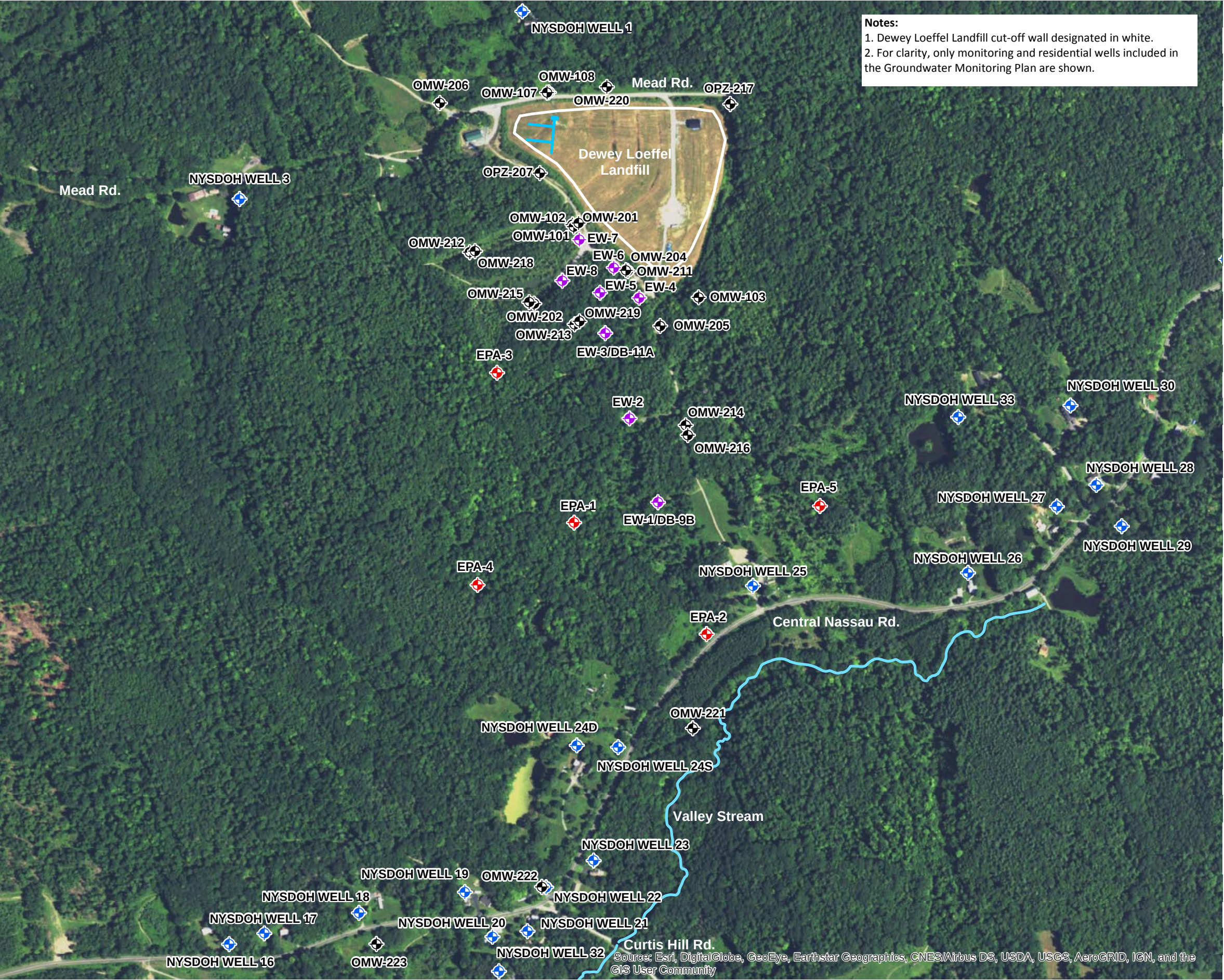




Figures

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I:\Ge-Cep 61260994, DLI-2015-Gwmp\Docs\Reports\Annual Report\2016\Figures\Figure 1-1 Site Map.mxd

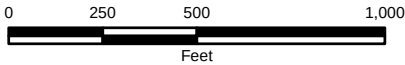


Legend

- Extraction Well
- Residential Well
- Monitoring Well
- Open Bedrock Borehole
- Leachate Collection System

DEWEY LOEFFEL LANDFILL
SUPERFUND SITE
NASSAU, NEW YORK

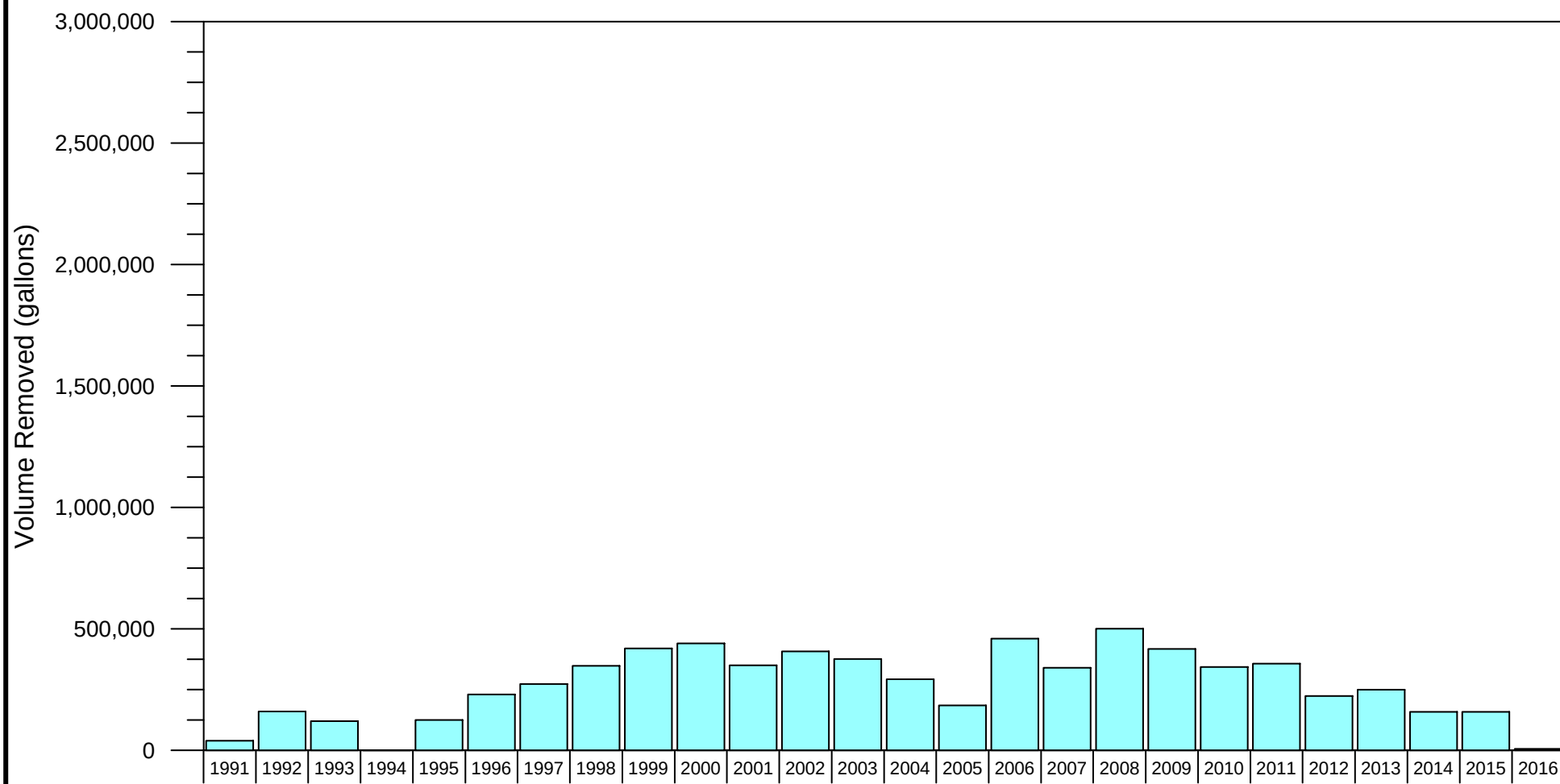
SITE MAP



612.60994
MARCH 2017

FIGURE 2-1 ANNUAL VOLUME REMOVED FROM LEACHATE COLLECTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York



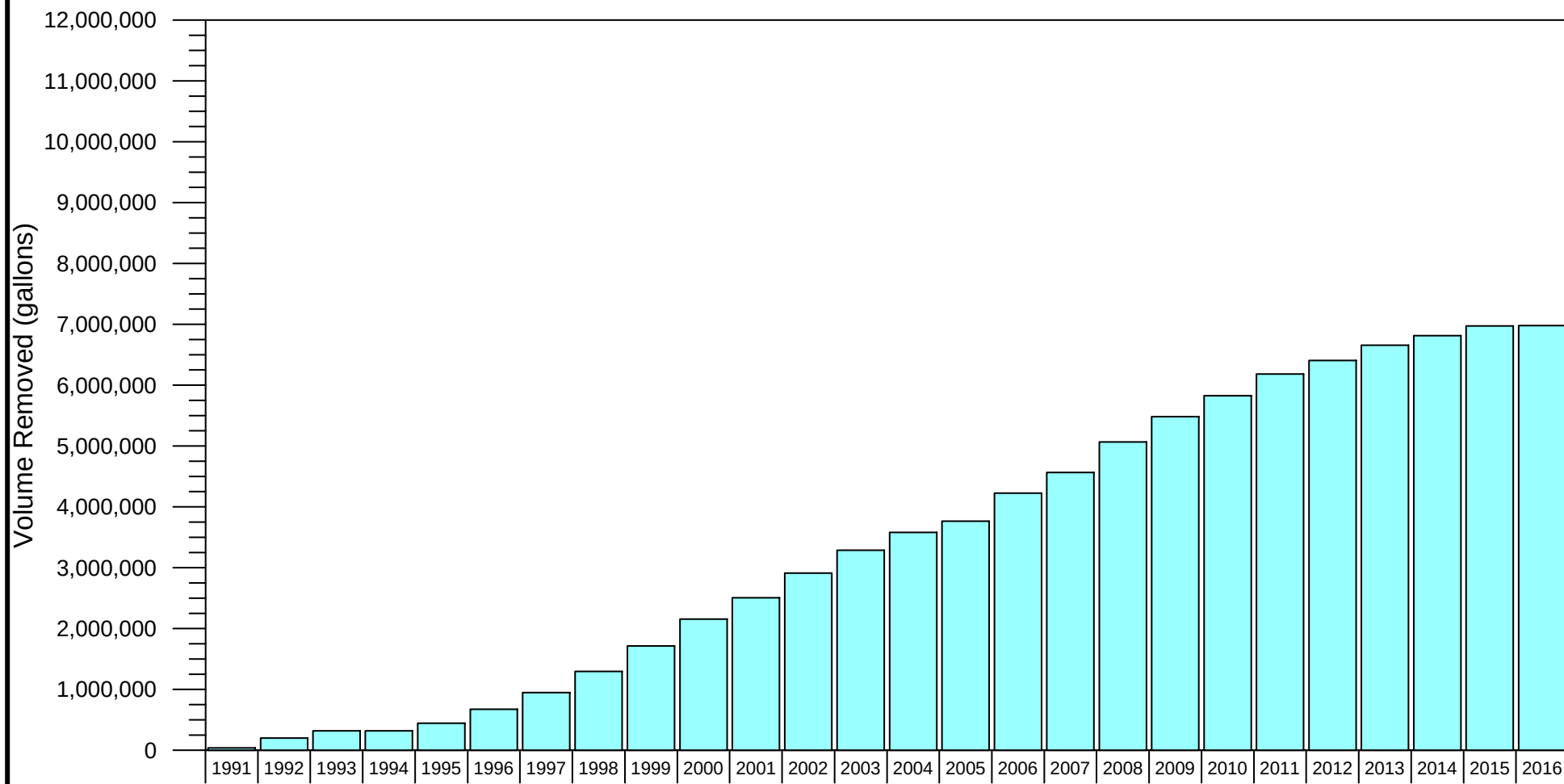
Leachate

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



FIGURE 2-2 CUMULATIVE VOLUME REMOVED FROM LEACHATE COLLECTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York



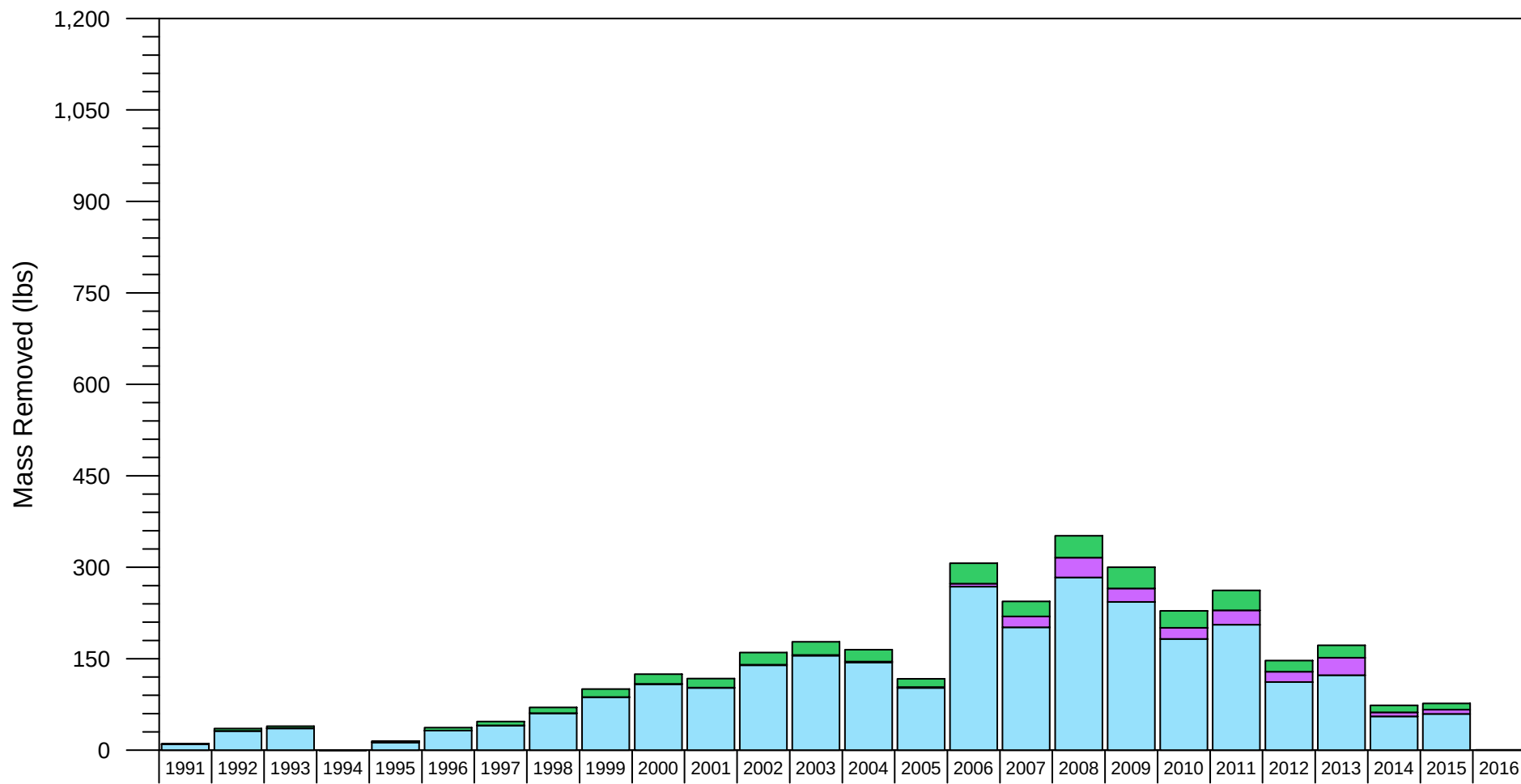
Leachate

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



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

Dewey Loeffel Landfill Superfund Site
Nassau, New York

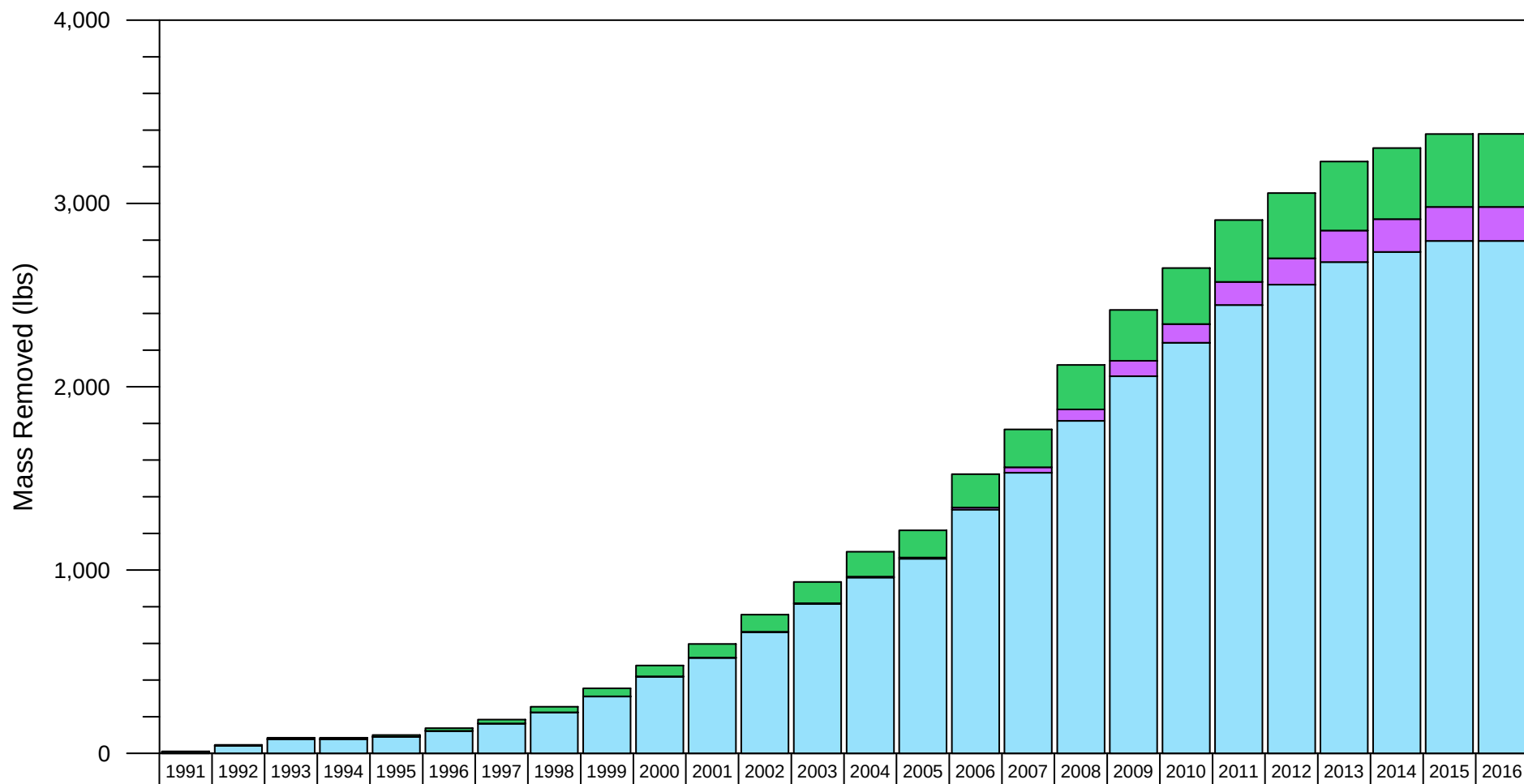


1. For non-detects, zero is used.
2. CVOCs is comprised of TCE, cDCE, and VC.
3. BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
4. Refer to Table 2-3 for the annual mass of VOCs removed each year.



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

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. For non-detects, zero is used.
2. CVOCs is comprised of TCE, cDCE, and VC.
3. BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
4. Refer to Table 2-4 for the cumulative mass of VOCs removed each year.



FIGURE 2-5 ANNUAL VOLUME REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York

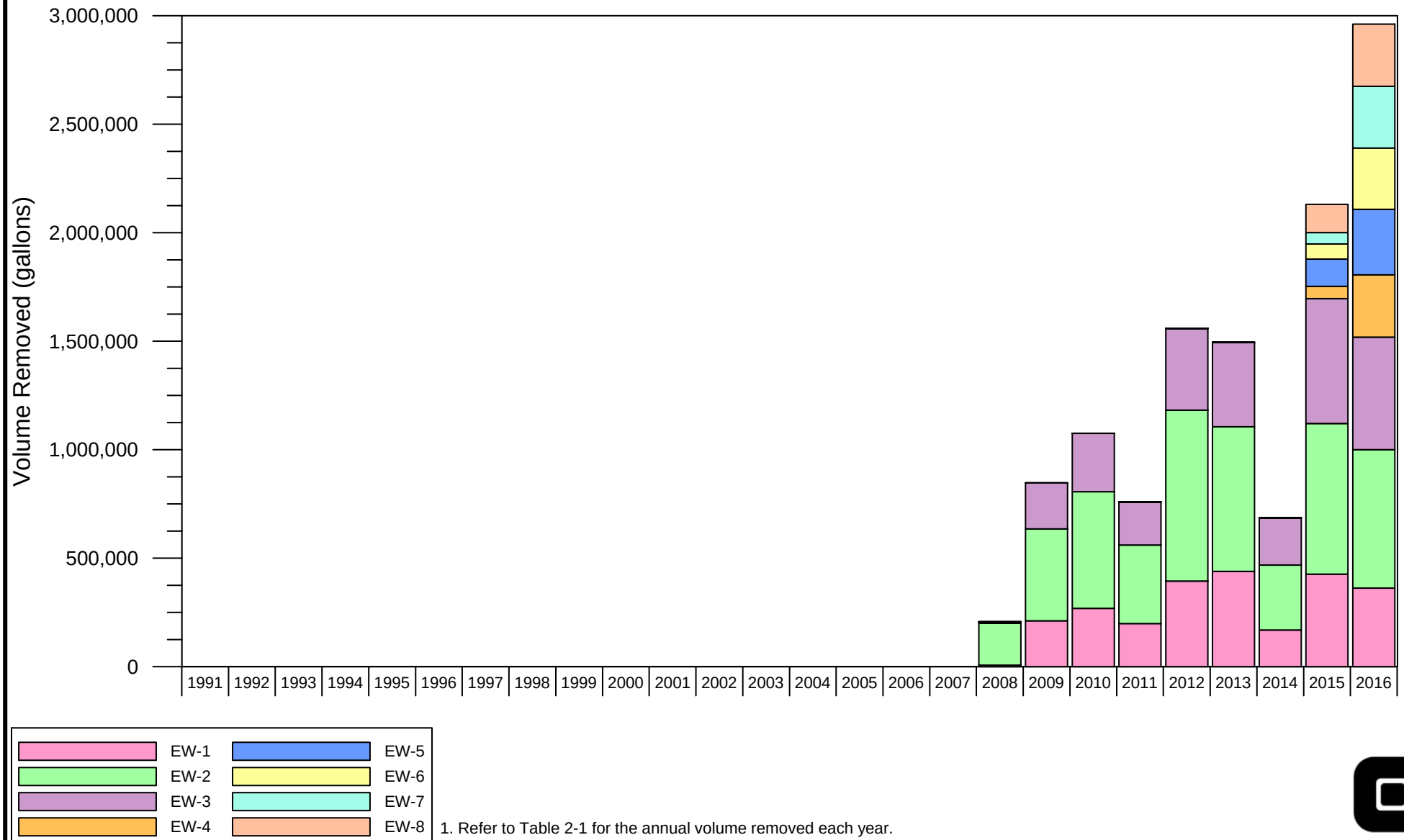
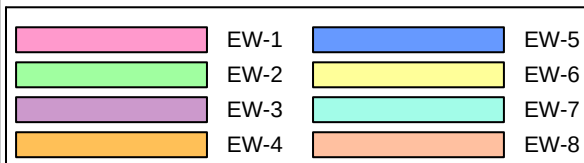
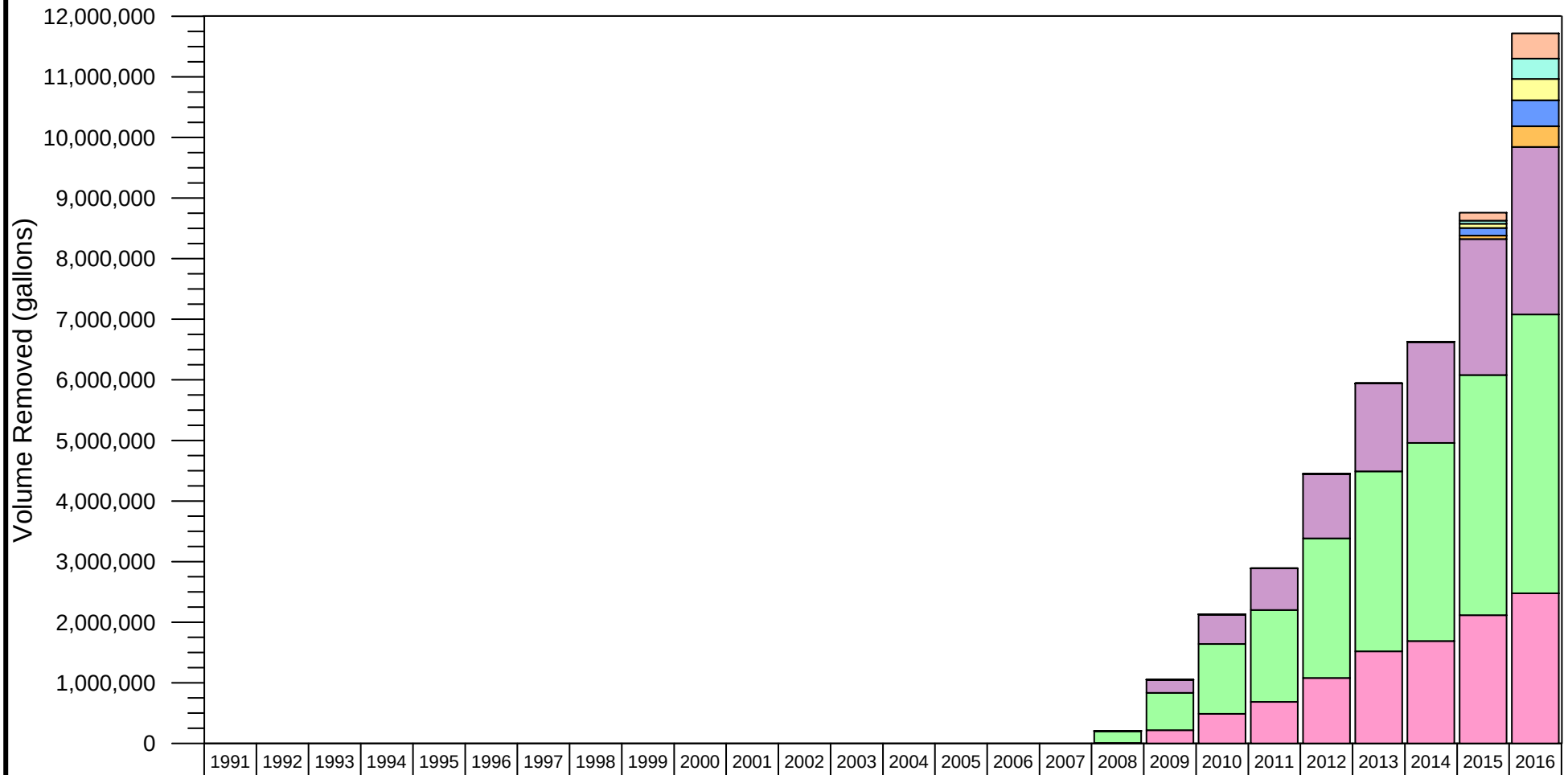


FIGURE 2-6 CUMULATIVE VOLUME REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York

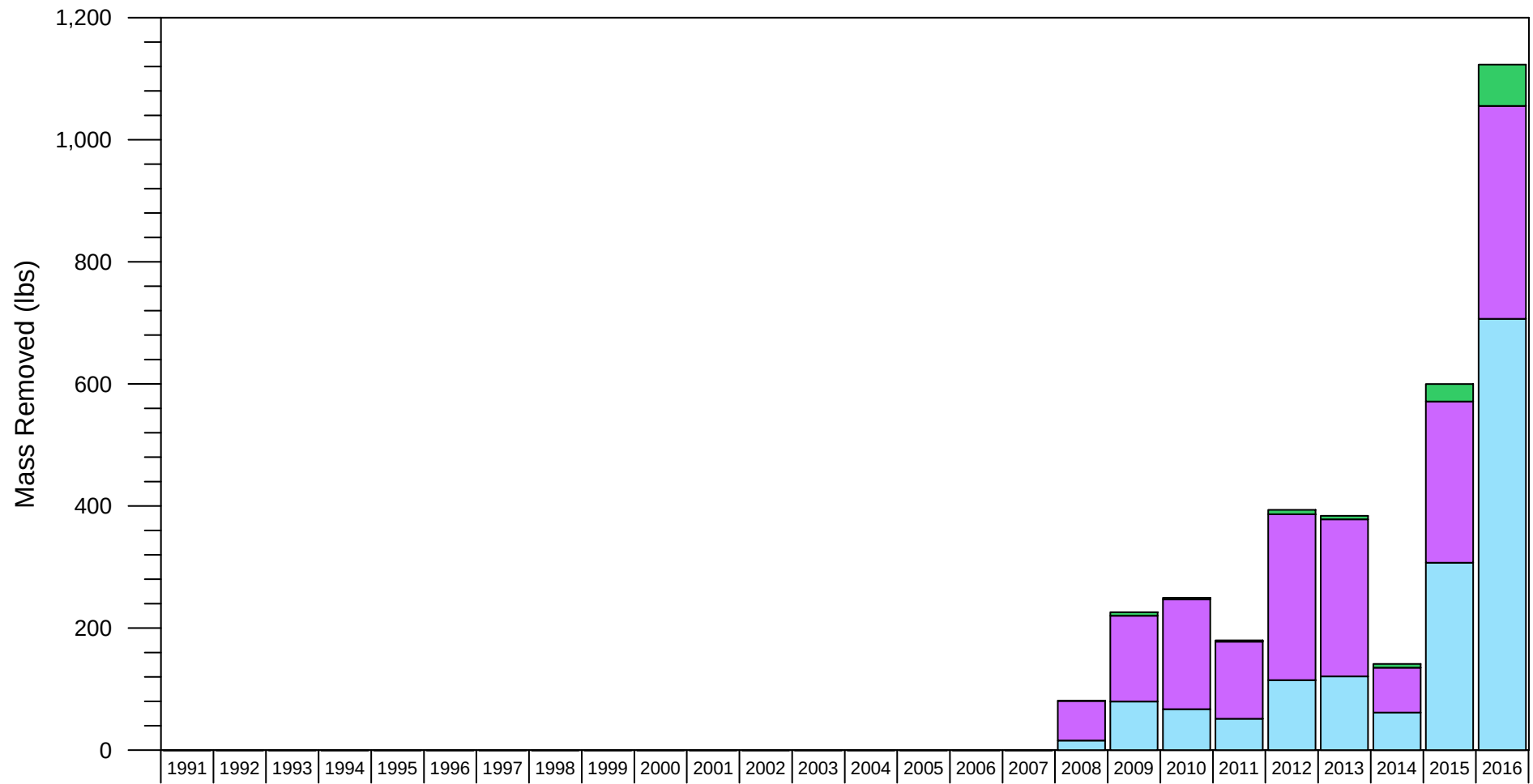


1. Refer to Table 2-2 for the cumulative volume removed each year.



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

Dewey Loeffel Landfill Superfund Site
Nassau, New York



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

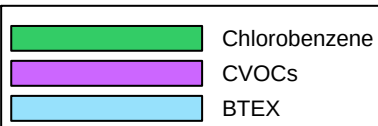
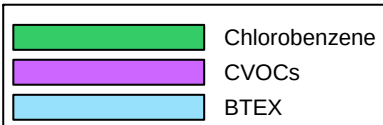
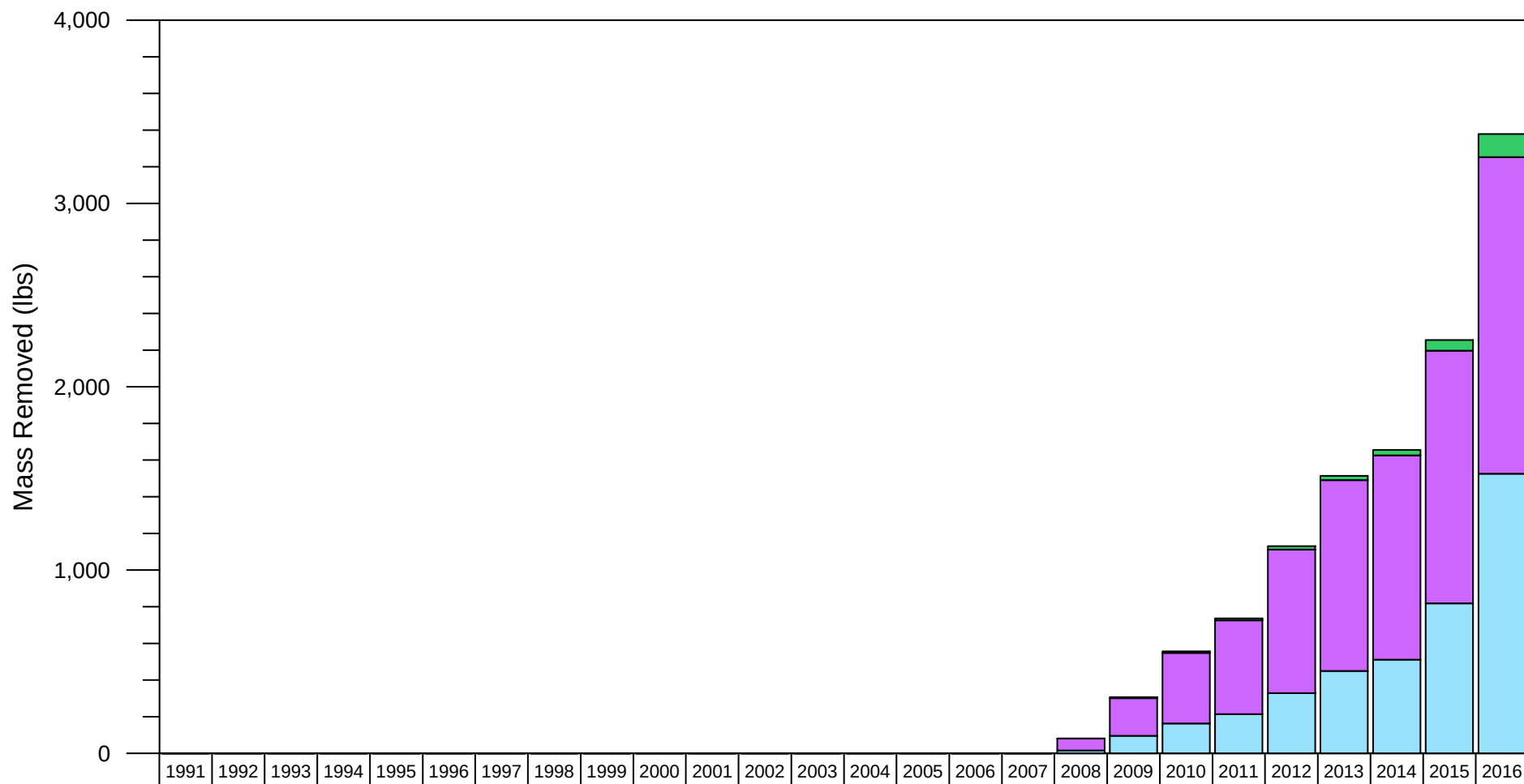


FIGURE 2-8 CUMULATIVE MASS OF VOCs REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

Dewey Loeffel Landfill Superfund Site
Nassau, New York



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



FIGURE 4-1
CONCENTRATIONS OF VOCs
AT MONITORING WELL OMW-101

Dewey Loeffel Landfill Superfund Site
Nassau, New York

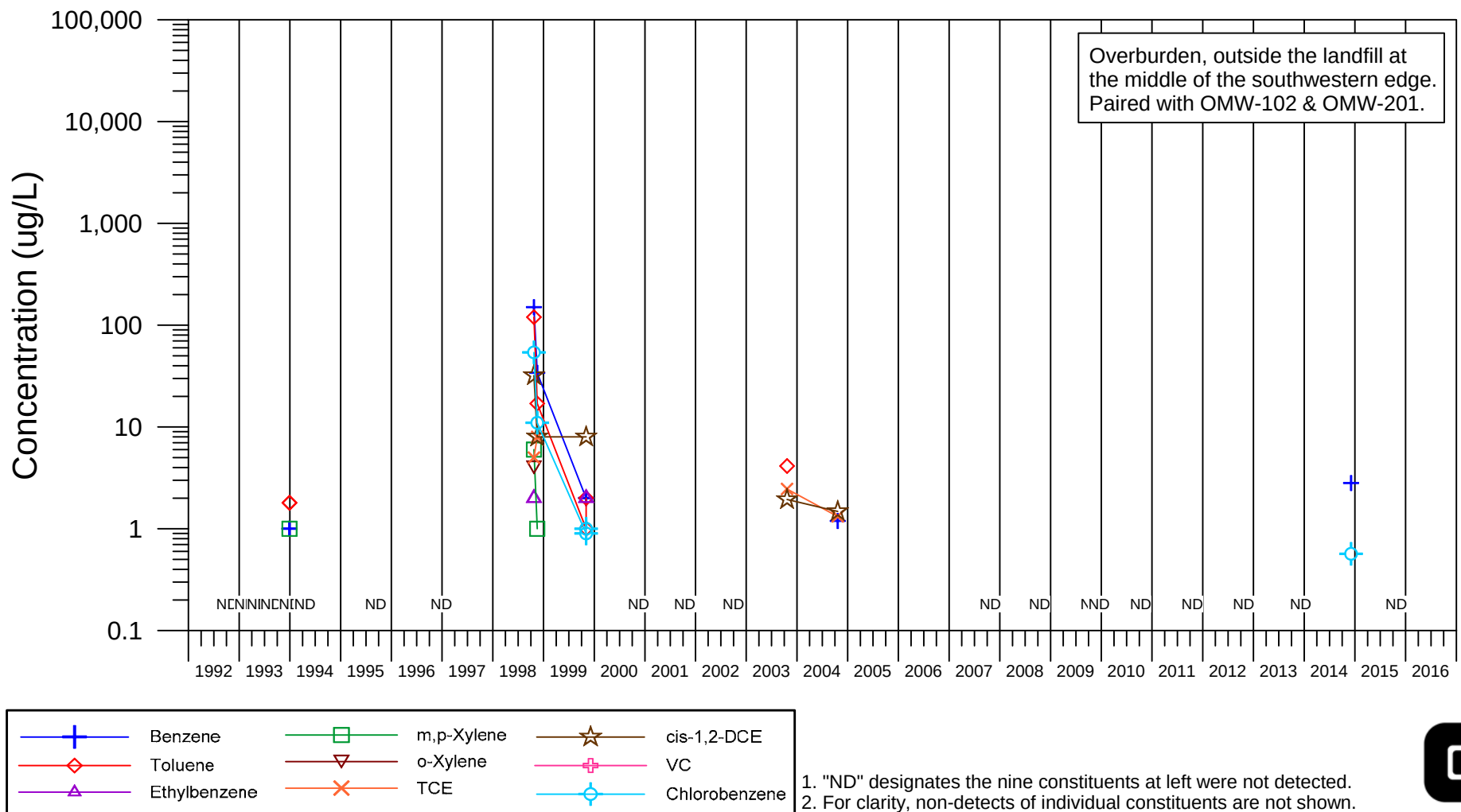
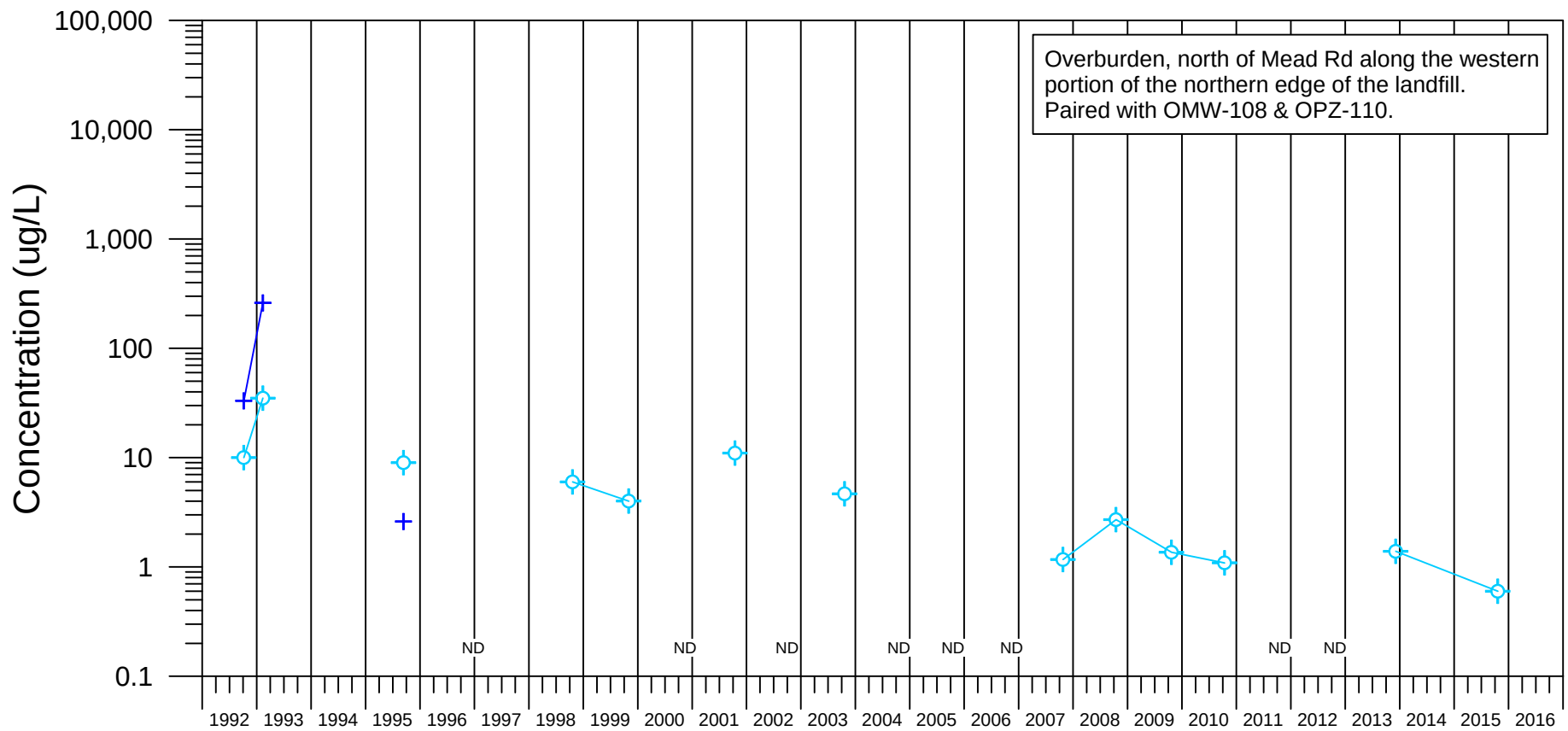


FIGURE 4-2

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-107

Dewey Loeffel Landfill Superfund Site
Nassau, New York



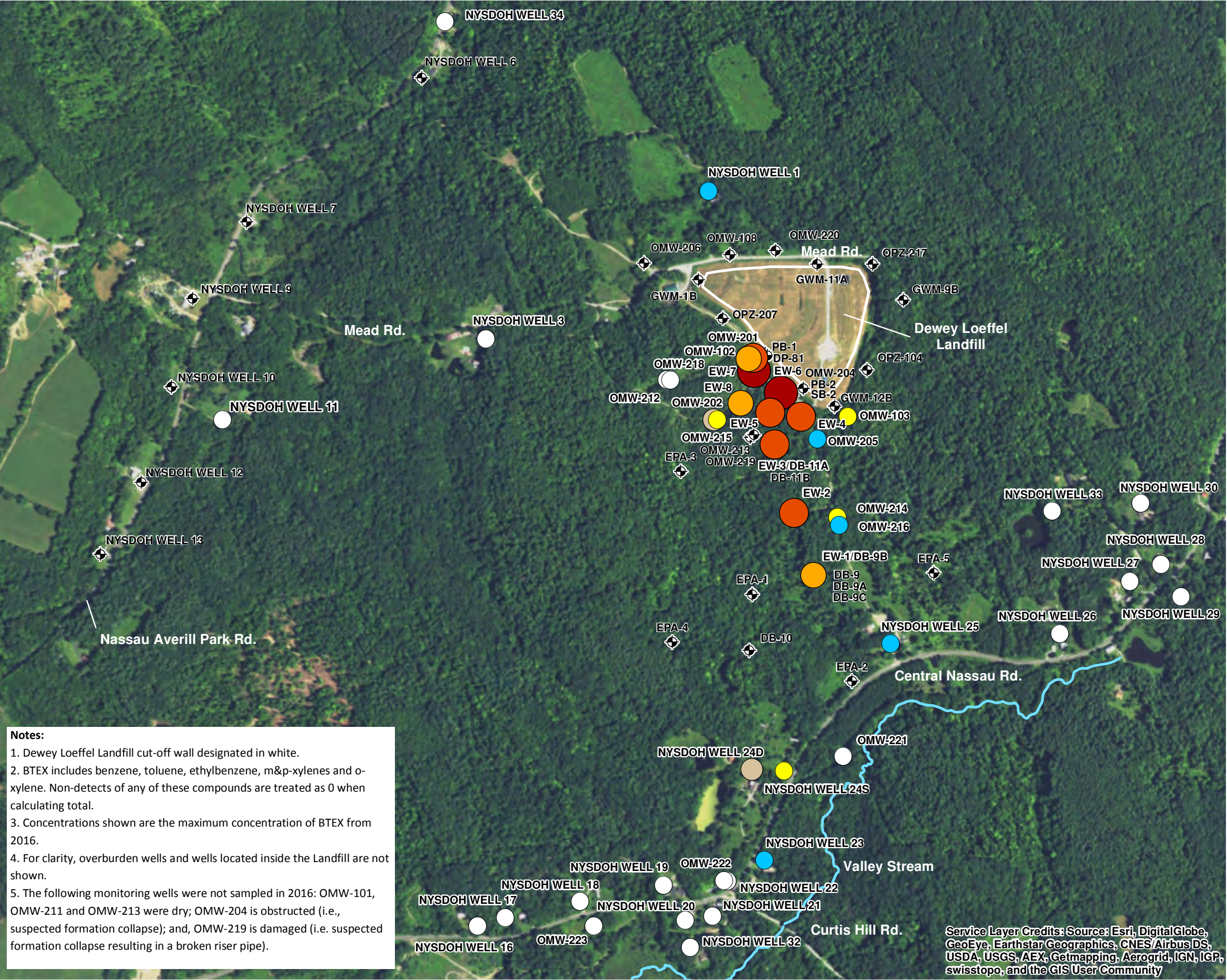
1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.



FIGURE 4-3

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Legend

- BTEX Conc. Non-Detect
- BTEX Conc. ≤ 5 ug/L
- BTEX Conc. >5 ug/L and ≤50 ug/L
- BTEX Conc. >50 ug/L and ≤500 ug/L
- BTEX Conc. >500 ug/L and ≤5,000 ug/L
- BTEX Conc. >5,000 ug/L and ≤50,000 ug/L
- BTEX Conc. >50,000 ug/L
- ⊕ Existing Well Not Sampled

DEWEY LOEFFEL LANDFILL
SUPERFUND SITE
NASSAU, NEW YORK

MAXIMUM BTEX
CONCENTRATIONS
IN BEDROCK
GROUNDWATER -
2016



612.60994
MARCH 2017



O'BRIEN & GERE ENGINEERS, INC.

FIGURE 4-4

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-102

Dewey Loeffel Landfill Superfund Site
Nassau, New York

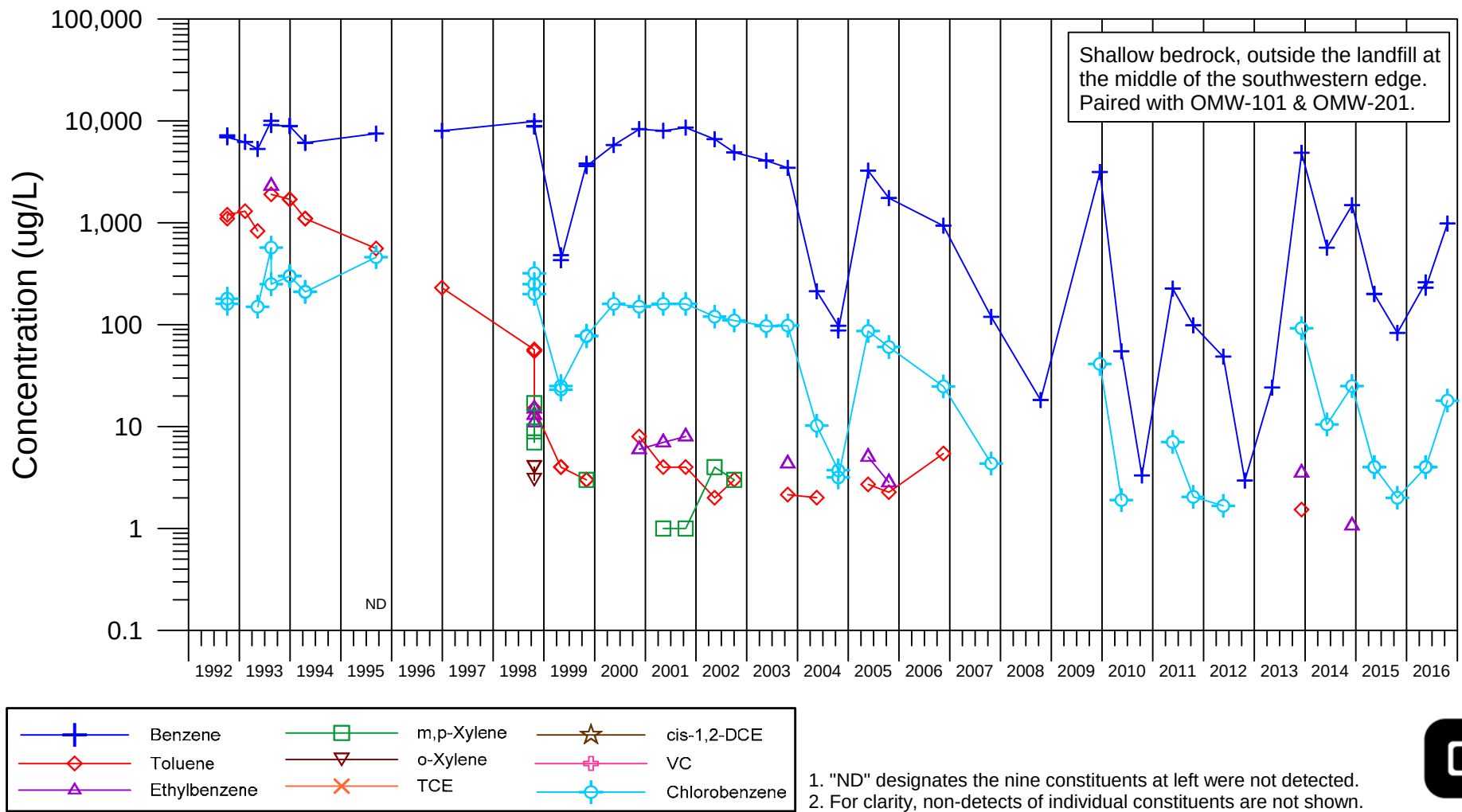
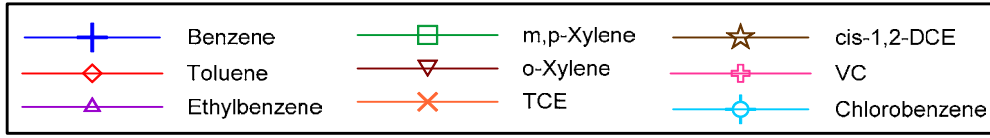
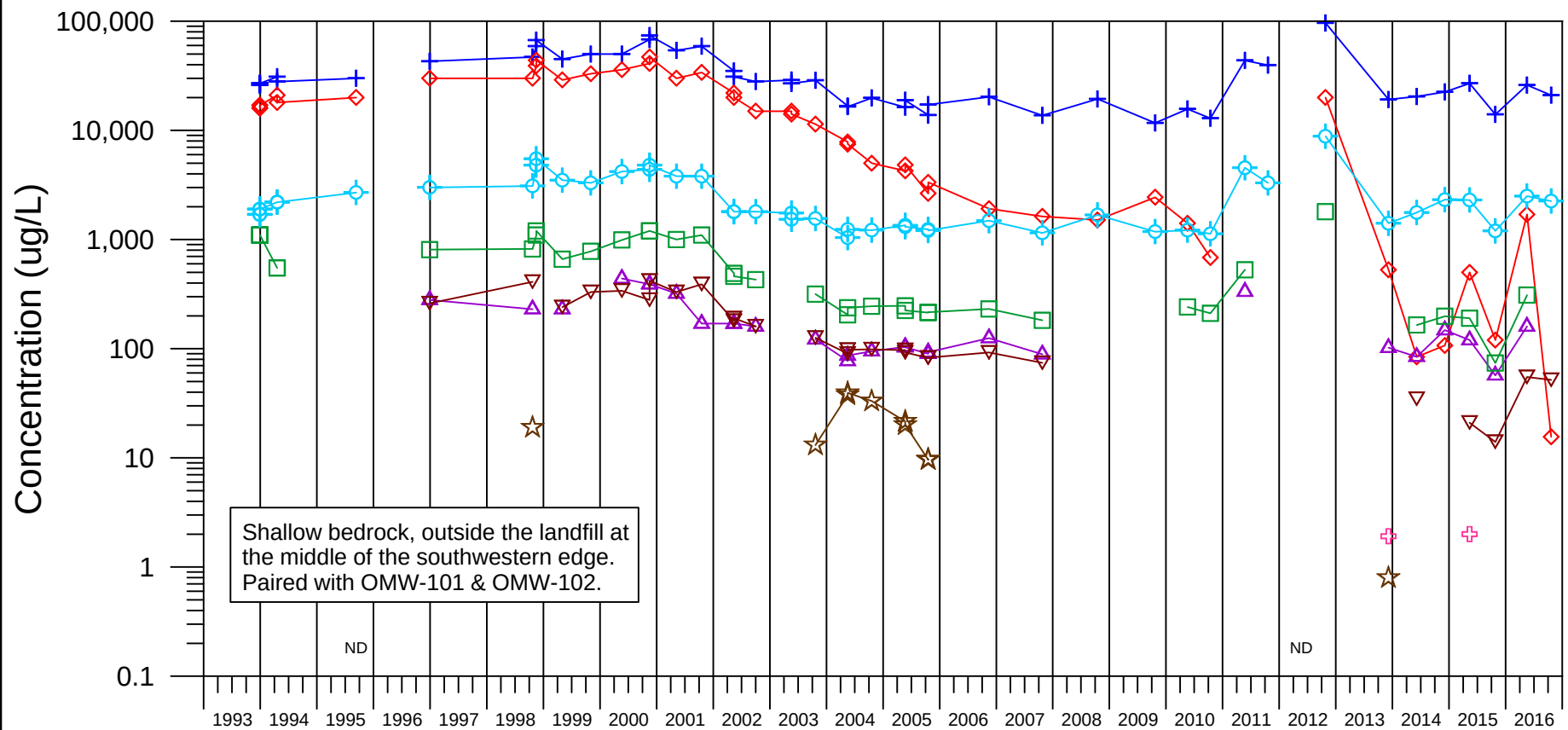


FIGURE 4-5

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York



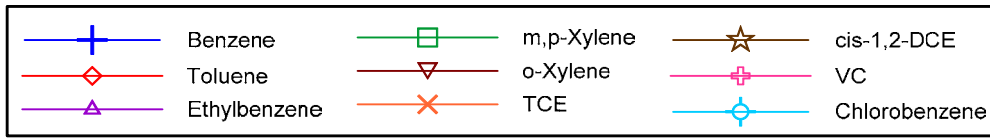
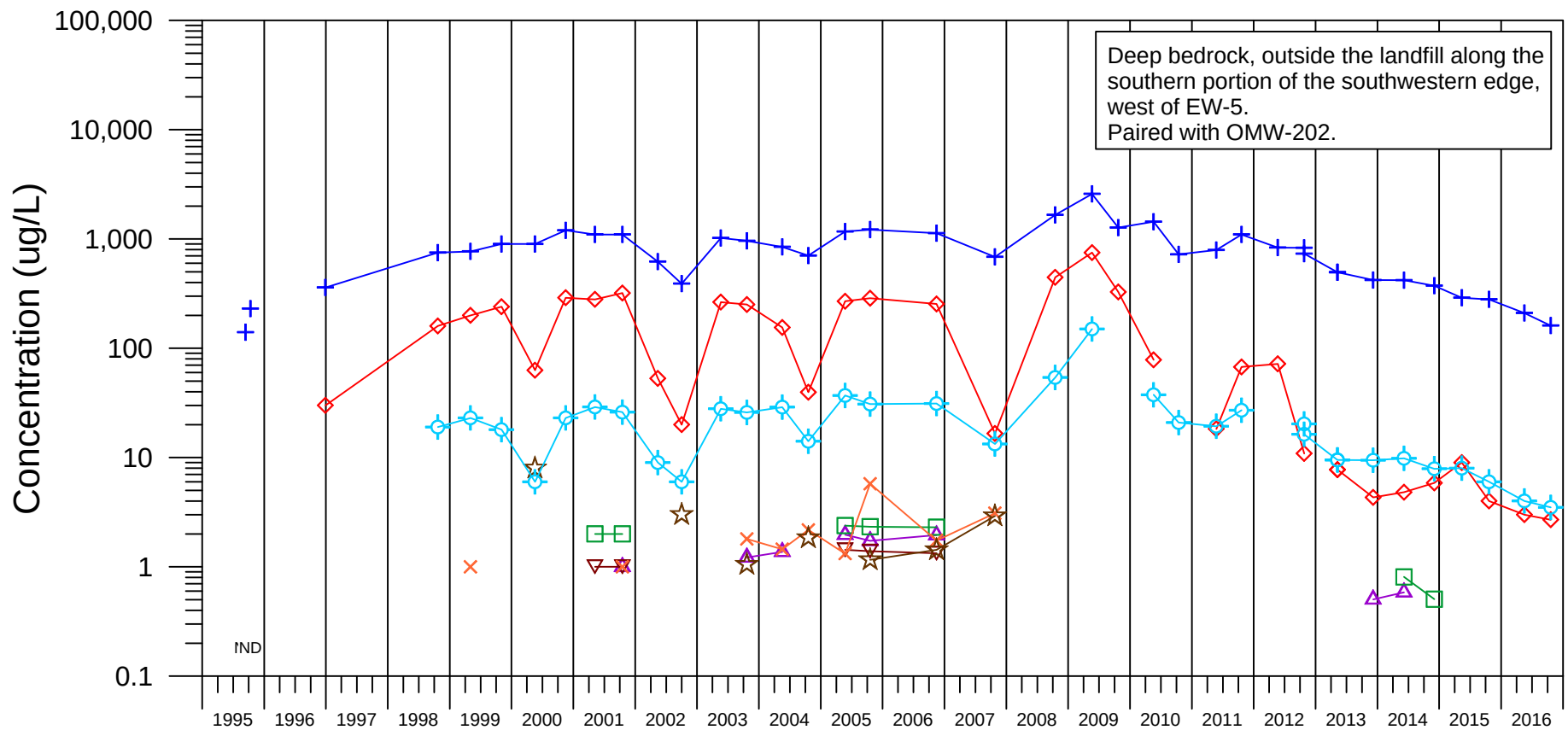
1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.



FIGURE 4-6

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-215

Dewey Loeffel Landfill Superfund Site
Nassau, New York



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



FIGURE 4-7

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-213

Dewey Loeffel Landfill Superfund Site
Nassau, New York

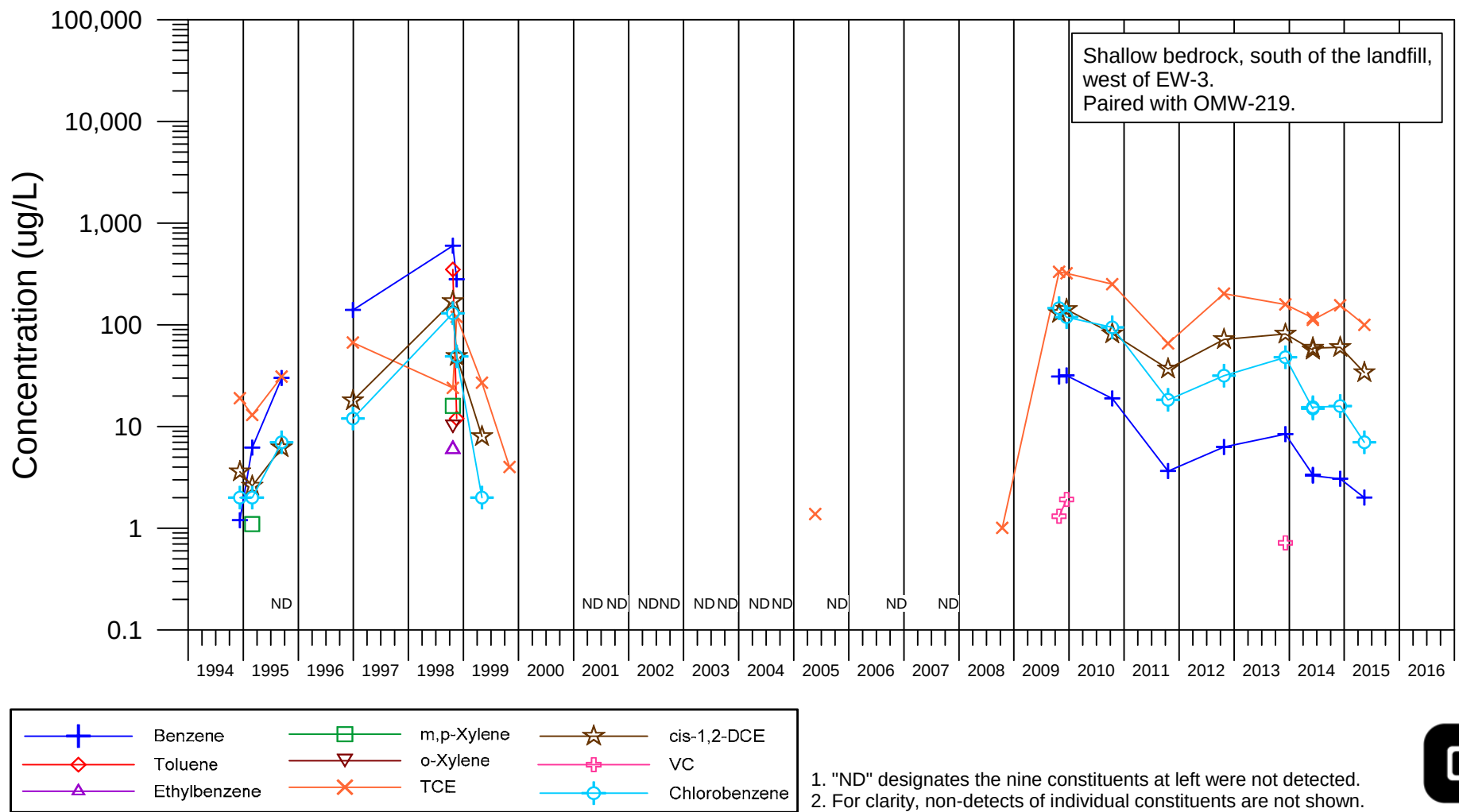


FIGURE 4-8

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-205

Dewey Loeffel Landfill Superfund Site
Nassau, New York

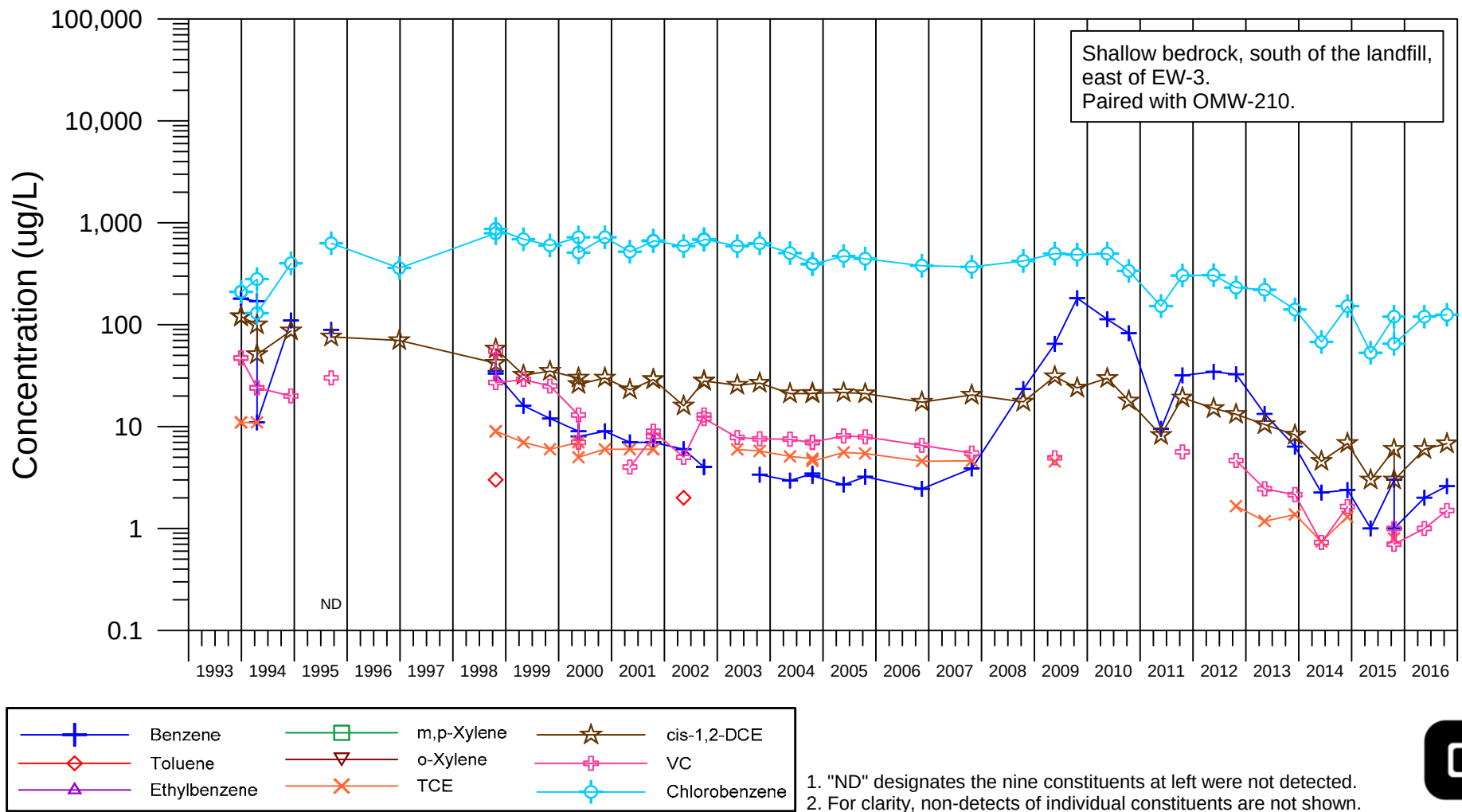
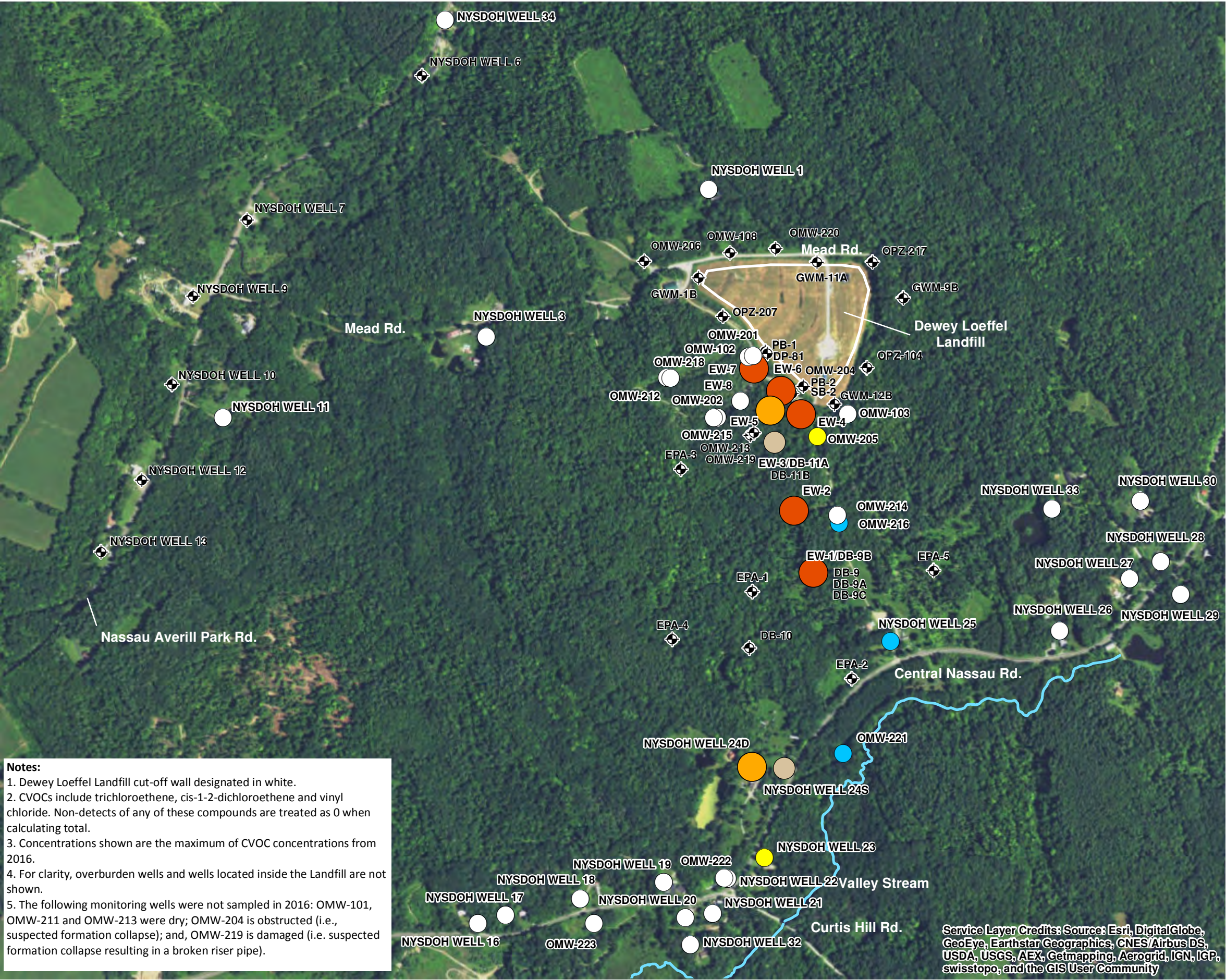


FIGURE 4-9

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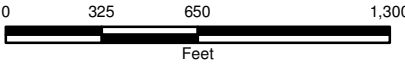


Legend

- CVOC Conc. Non-Detect
- CVOC Conc. ≤ 5 ug/L
- CVOC Conc. >5 ug/L and ≤50 ug/L
- CVOC Conc. >50 ug/L and ≤500 ug/L
- CVOC Conc. >500 ug/L and ≤5,000 ug/L
- CVOC Conc. >5,000 ug/L
- ⬮ Existing Well Not Sampled

DEWEY LOEFFEL LANDFILL
SUPERFUND SITE
NASSAU, NEW YORK

**MAXIMUM CVOC
CONCENTRATIONS
IN BEDROCK
GROUNDWATER -
2016**



612.60994
MARCH 2017



O'BRIEN & GERE ENGINEERS, INC.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

FIGURE 4-10
CONCENTRATIONS OF VOCs
AT MONITORING WELL OMW-216

Dewey Loeffel Landfill Superfund Site
Nassau, New York

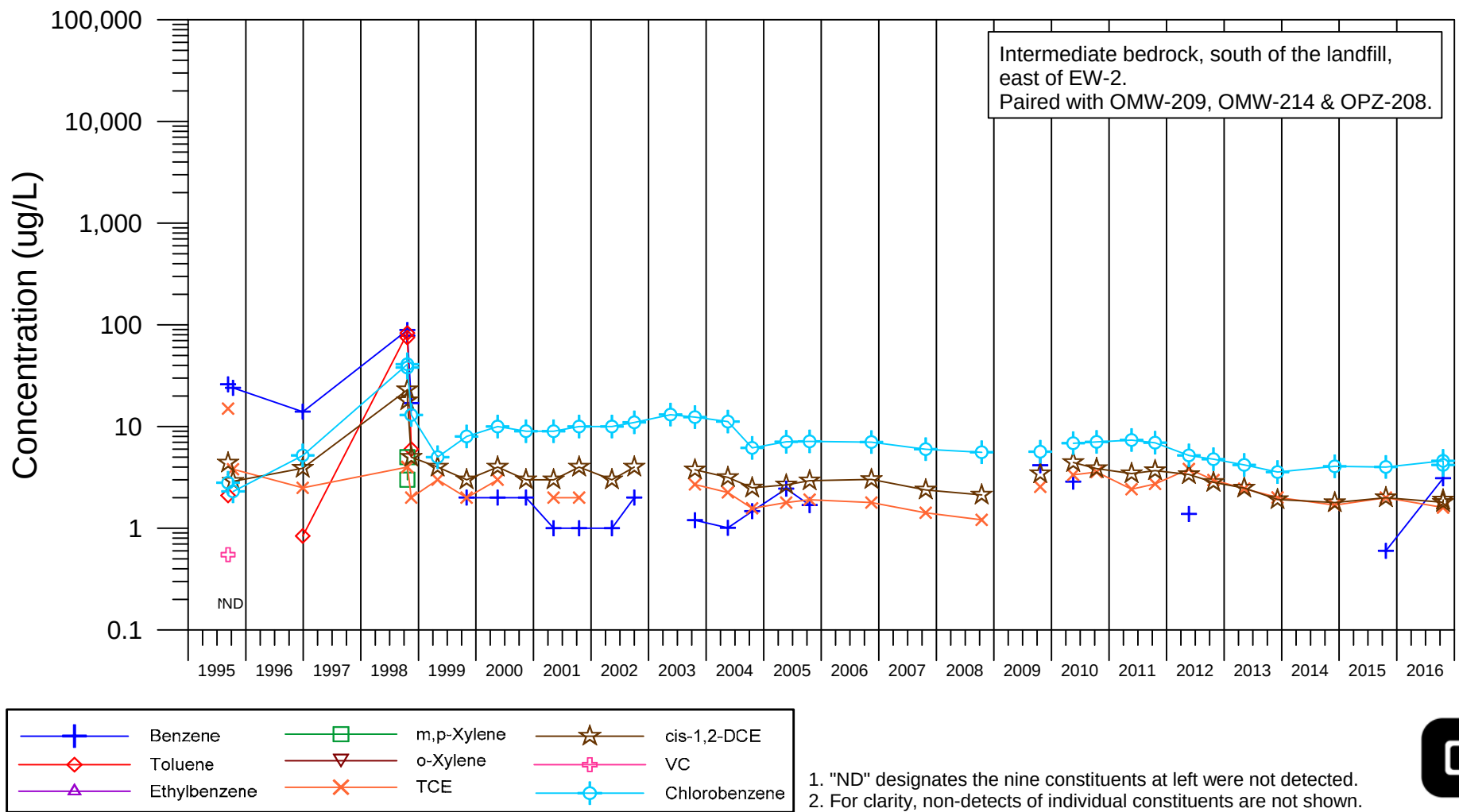
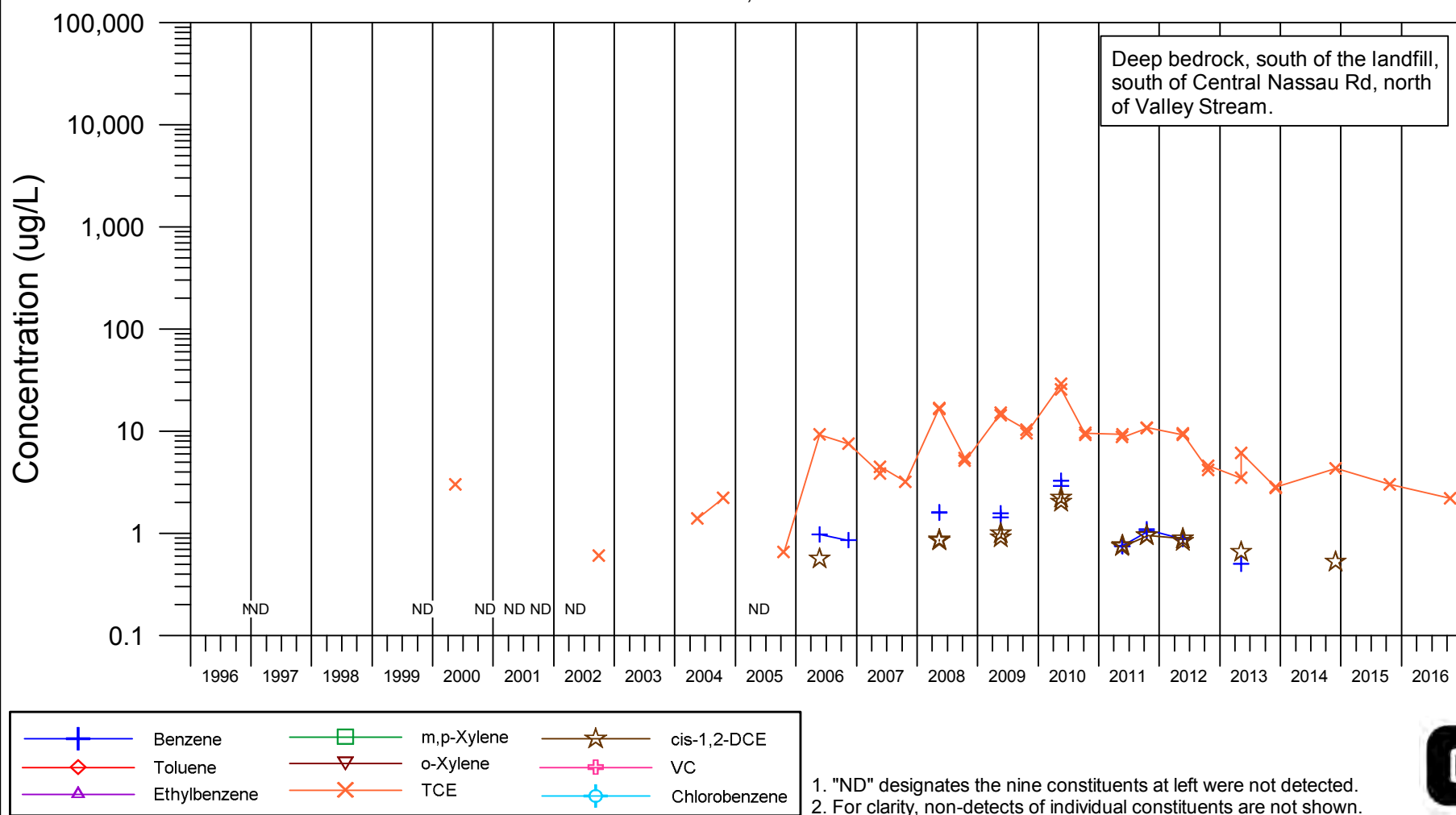
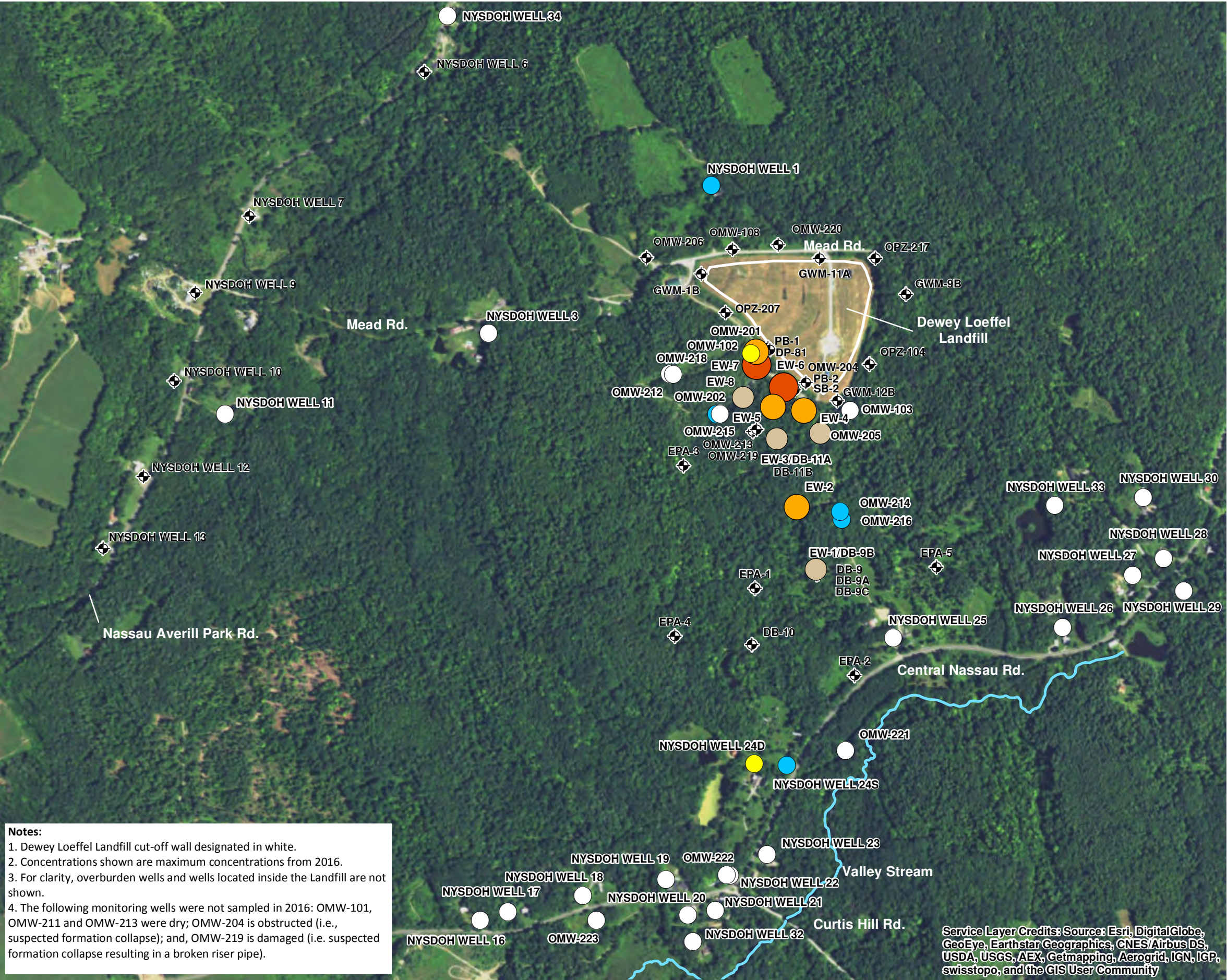


FIGURE 4-11
CONCENTRATIONS OF VOCs
AT MONITORING WELL OMW-221

Dewey Loeffel Landfill Superfund Site
Nassau, New York





Notes:

1. Dewey Loeffel Landfill cut-off wall designated in white.
2. Concentrations shown are maximum concentrations from 2016.
3. For clarity, overburden wells and wells located inside the Landfill are not shown.
4. The following monitoring wells were not sampled in 2016: OMW-101, OMW-211 and OMW-213 were dry; OMW-204 is obstructed (i.e., suspected formation collapse); and, OMW-219 is damaged (i.e. suspected formation collapse resulting in a broken riser pipe).

N

○

Chlorobenzene Conc. Non-Detect

●

Chlorobenzene Conc. ≤ 5 ug/L

●

Chlorobenzene Conc. >5 ug/L and ≤50 ug/L

●

Chlorobenzene Conc. >50 ug/L and ≤500 ug/L

●

Chlorobenzene Conc. >500 ug/L and ≤5,000 ug/L

●

Chlorobenzene Conc. >5,000 ug/L

⊕

Existing Well Not Sampled

DEWEY LOEFFEL LANDFILL
SUPERFUND SITE
NASSAU, NEW YORK

**MAXIMUM
CHLOROBENZENE
CONCENTRATIONS
IN BEDROCK
GROUNDWATER -
2016**



612.60994
MARCH 2017



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FIGURE 4-13

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-214

Dewey Loeffel Landfill Superfund Site
Nassau, New York

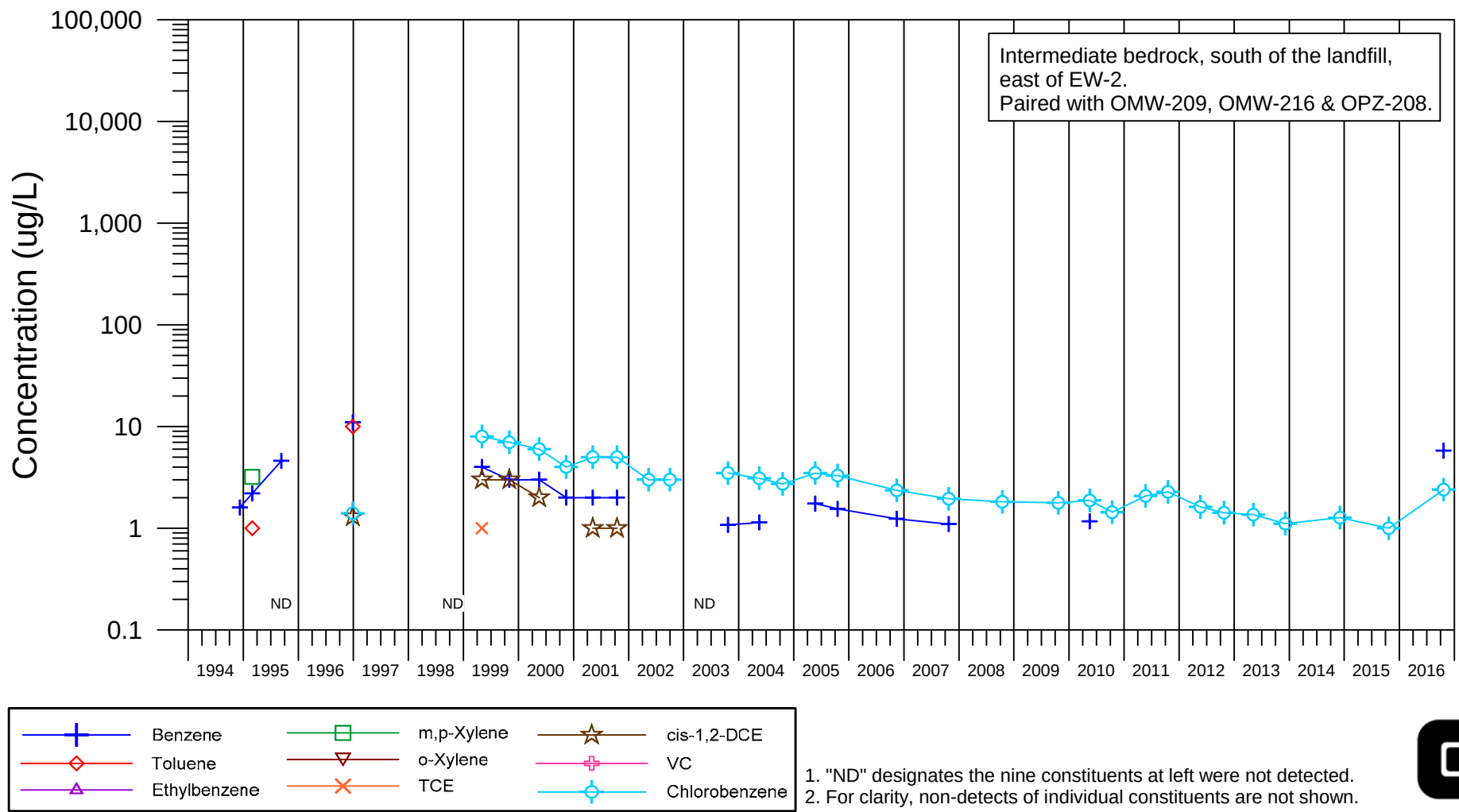
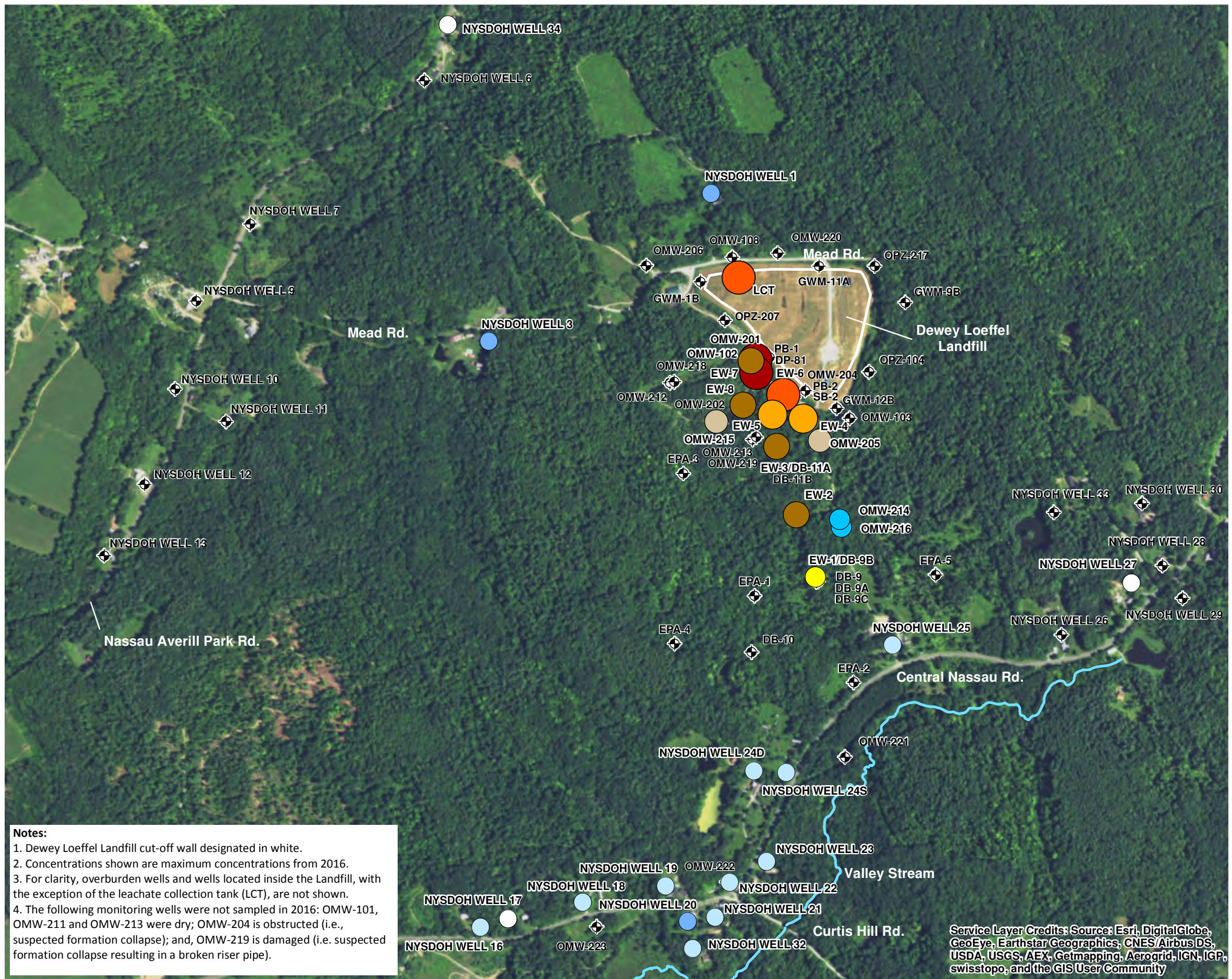


FIGURE 4-14

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Notes:

1. Dewey Loeffel Landfill cut-off wall designated in white.
2. Concentrations shown are maximum concentrations from 2016.
3. For clarity, overburden wells and wells located inside the Landfill, with the exception of the leachate collection tank (LCT), are not shown.
4. The following monitoring wells were not sampled in 2016: OMW-101, OMW-211 and OMW-213 were dry; OMW-204 is obstructed (i.e., suspected formation collapse); and, OMW-219 is damaged (i.e. suspected formation collapse resulting in a broken riser pipe).

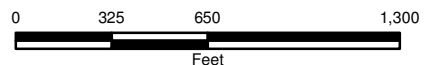
N

Legend

- 1,4-Dioxane Conc. Non-Detect
- 1,4-Dioxane Conc. ≤0.2 ug/L
- 1,4-Dioxane Conc. >0.2 and ≤1 ug/L
- 1,4-Dioxane Conc. >1 and ≤5 ug/L
- 1,4-Dioxane Conc. >5 ug/L and ≤10 ug/L
- 1,4-Dioxane Conc. >10 ug/L and ≤50 ug/L
- 1,4-Dioxane Conc. >50 ug/L and ≤100 ug/L
- 1,4-Dioxane Conc. >100 ug/L and ≤500 ug/L
- 1,4-Dioxane Conc. >500 ug/L and ≤1,000 ug/L
- 1,4-Dioxane Conc. >1,000 ug/L
- ⊕ Existing Well Not Sampled

DEWEY LOEFFEL LANDFILL
SUPERFUND SITE
NASSAU, NEW YORK

**MAXIMUM
1,4-DIOXANE
CONCENTRATIONS
IN BEDROCK
GROUNDWATER -
2016**



612.60994
MARCH 2017



O'BRIEN & GERE ENGINEERS, INC.

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

FIGURE 4-15

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

Dewey Loeffel Landfill Superfund Site
Nassau, New York

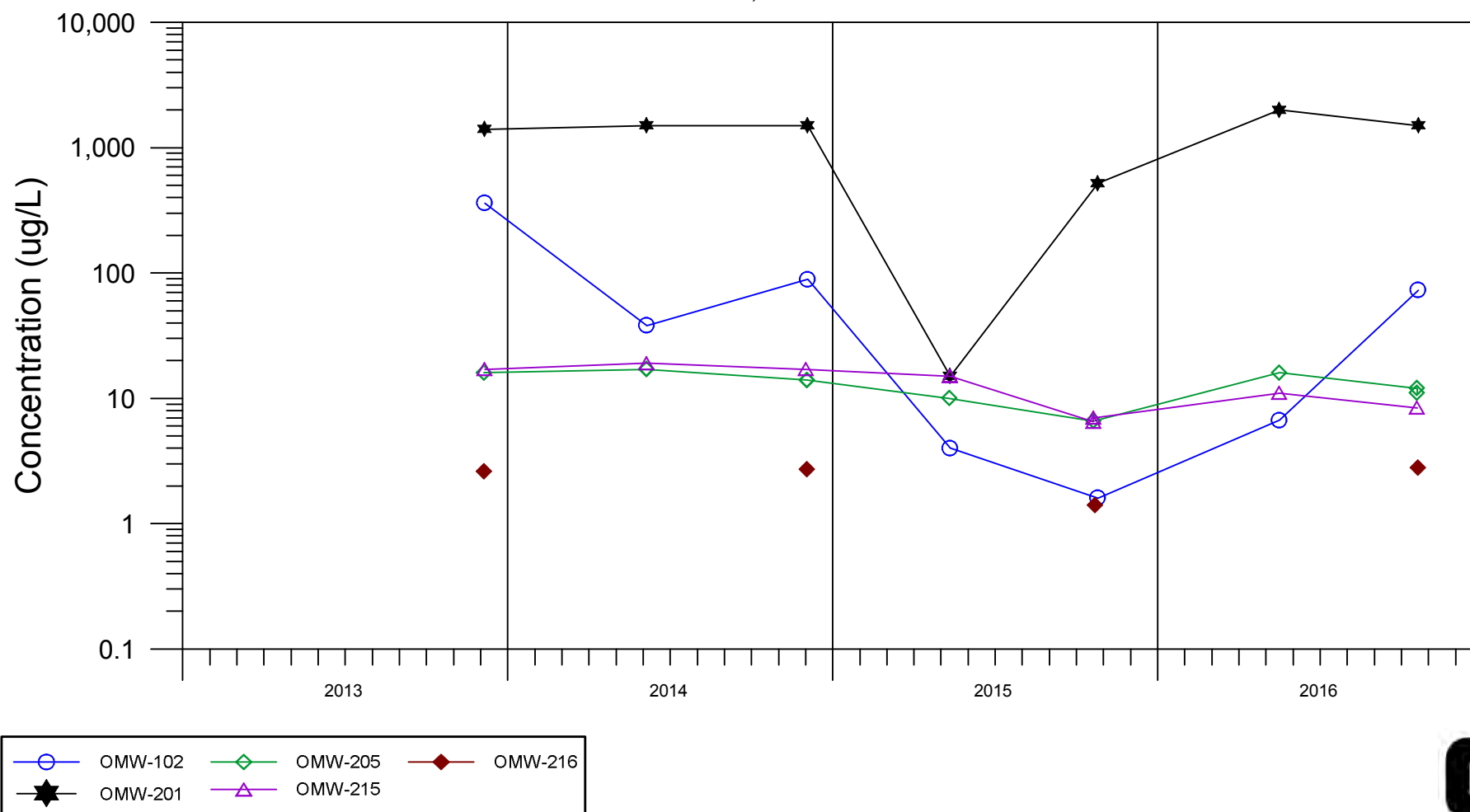


FIGURE 4-16

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-1

Dewey Loeffel Landfill Superfund Site
Nassau, New York

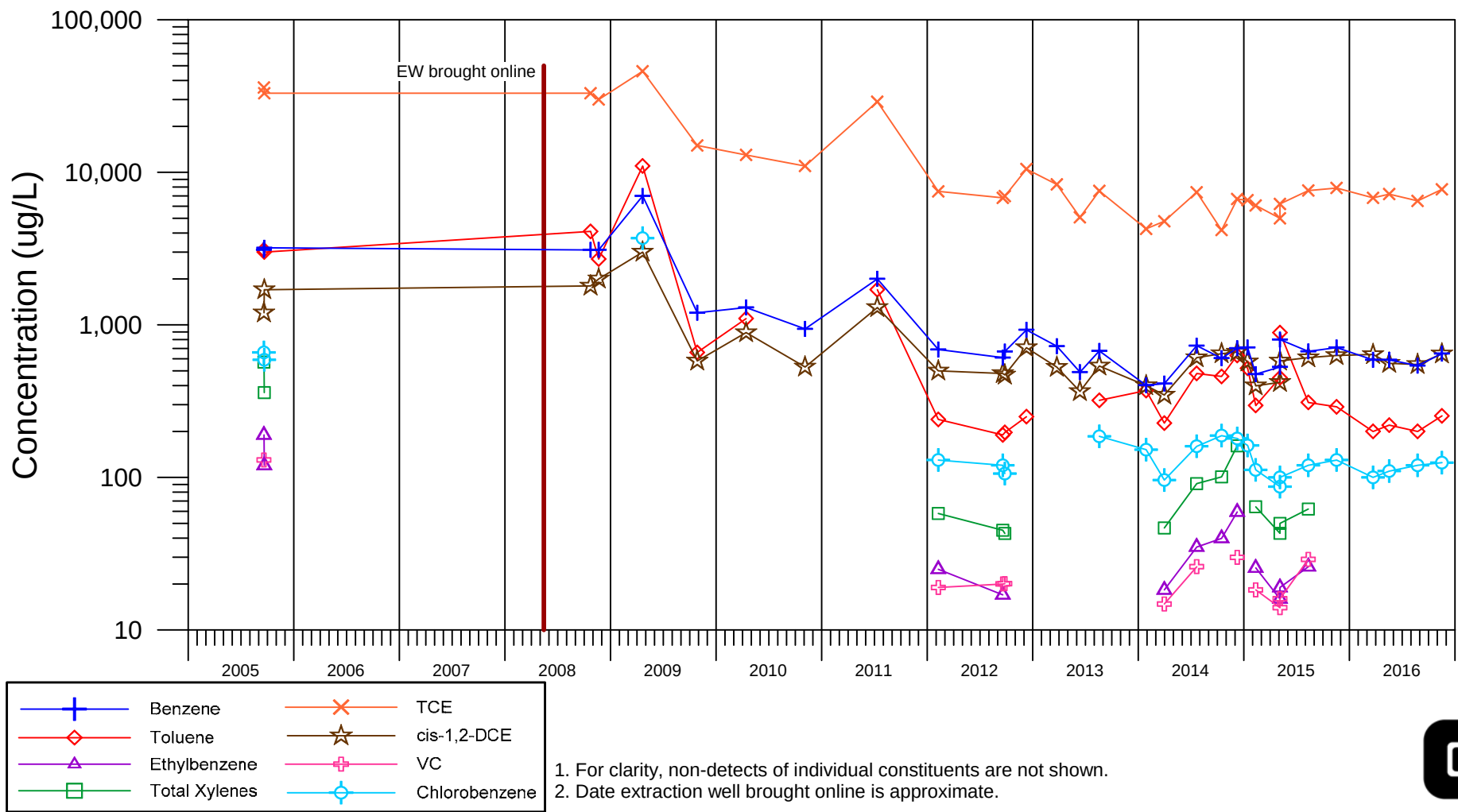


FIGURE 4-17

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-2

Dewey Loeffel Landfill Superfund Site
Nassau, New York

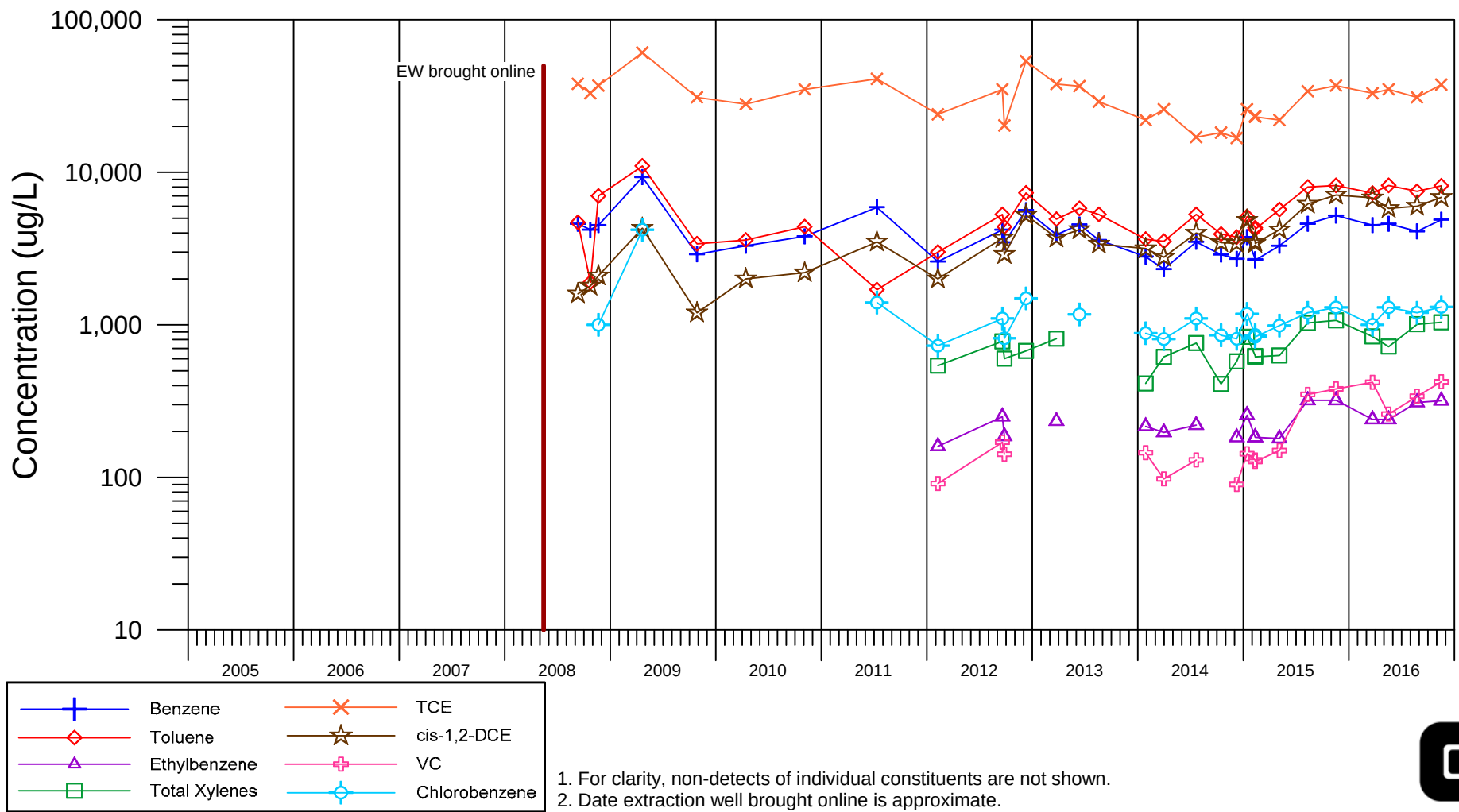


FIGURE 4-18

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-3

Dewey Loeffel Landfill Superfund Site
Nassau, New York

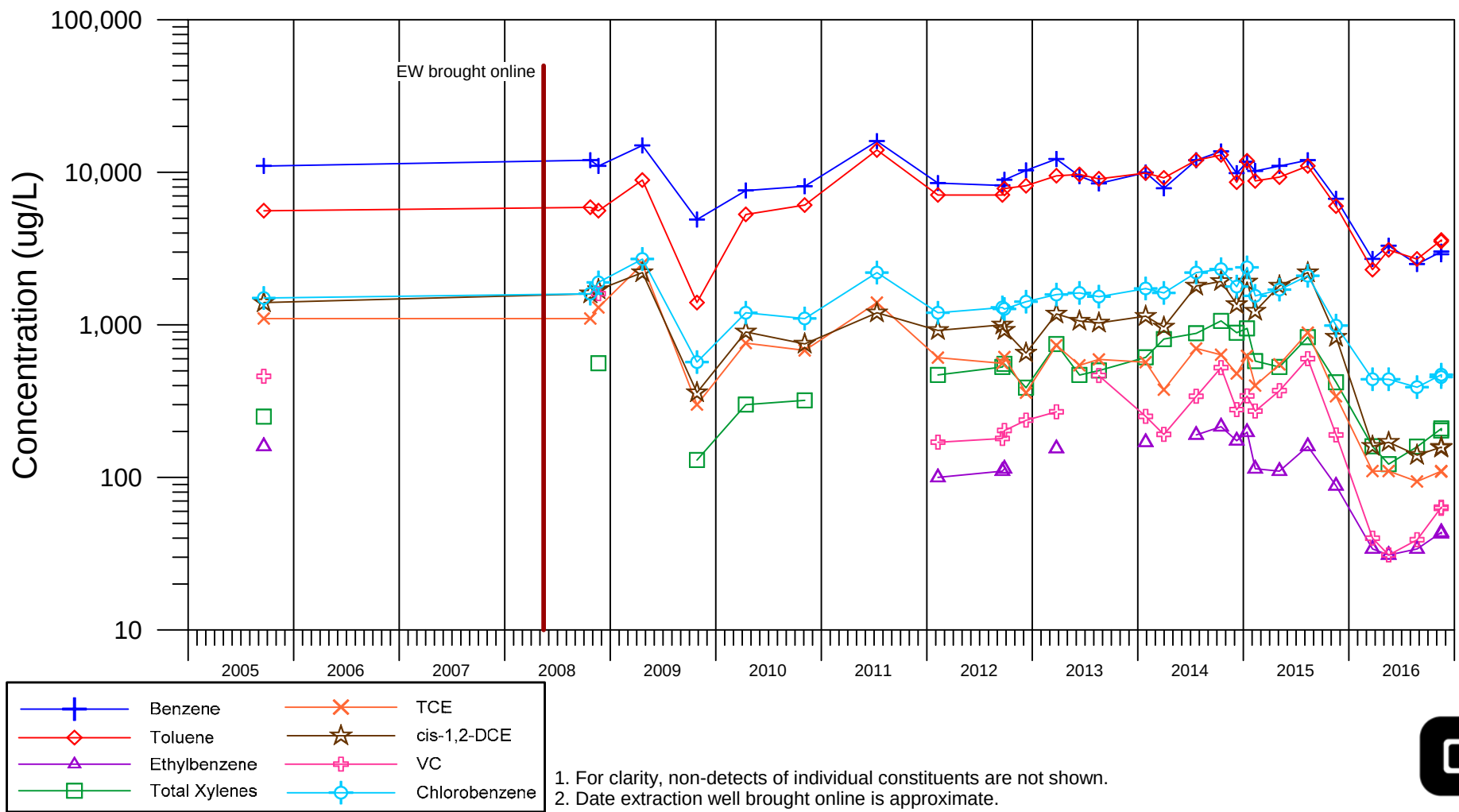


FIGURE 4-19

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-4

Dewey Loeffel Landfill Superfund Site
Nassau, New York

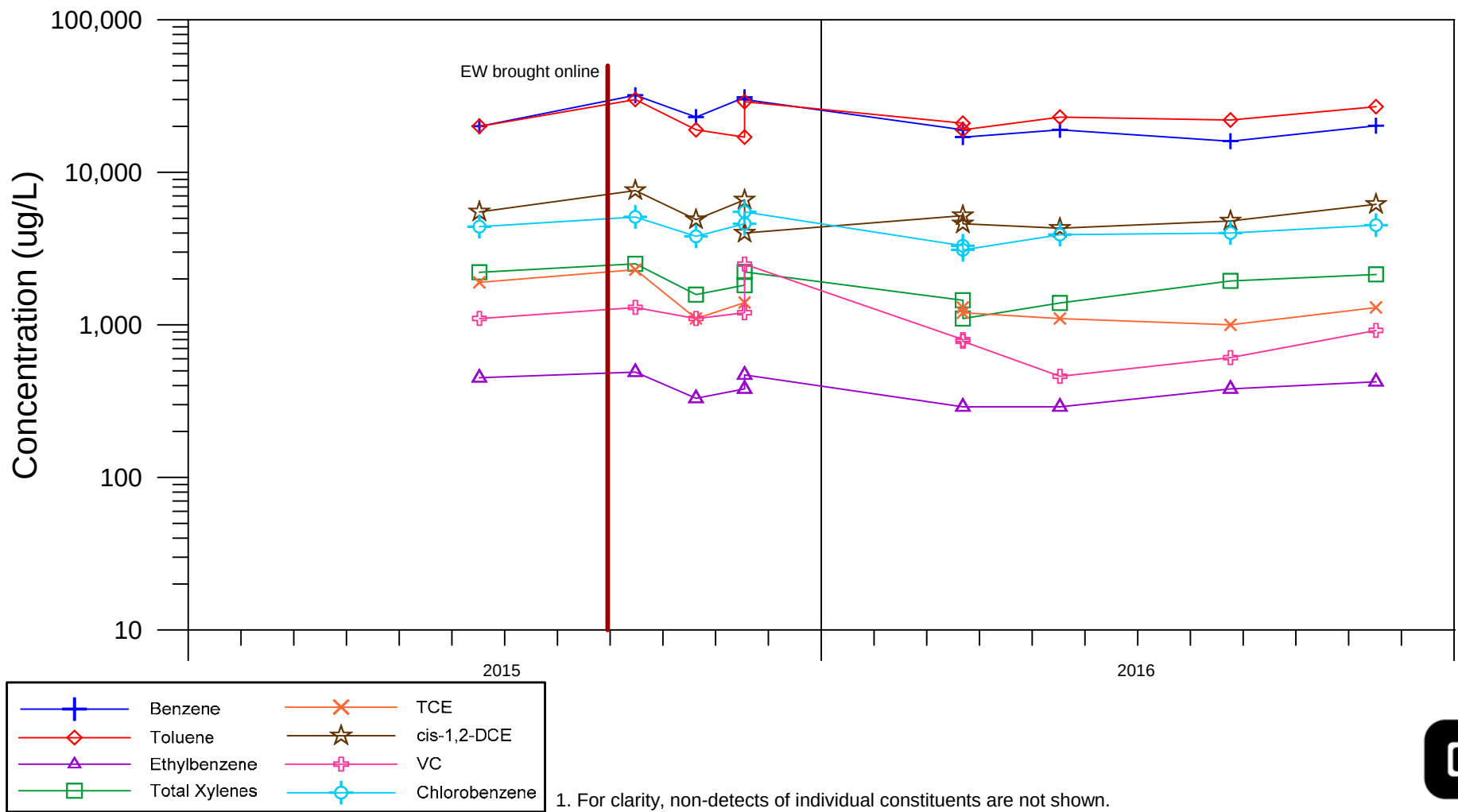


FIGURE 4-20

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-5

Dewey Loeffel Landfill Superfund Site
Nassau, New York

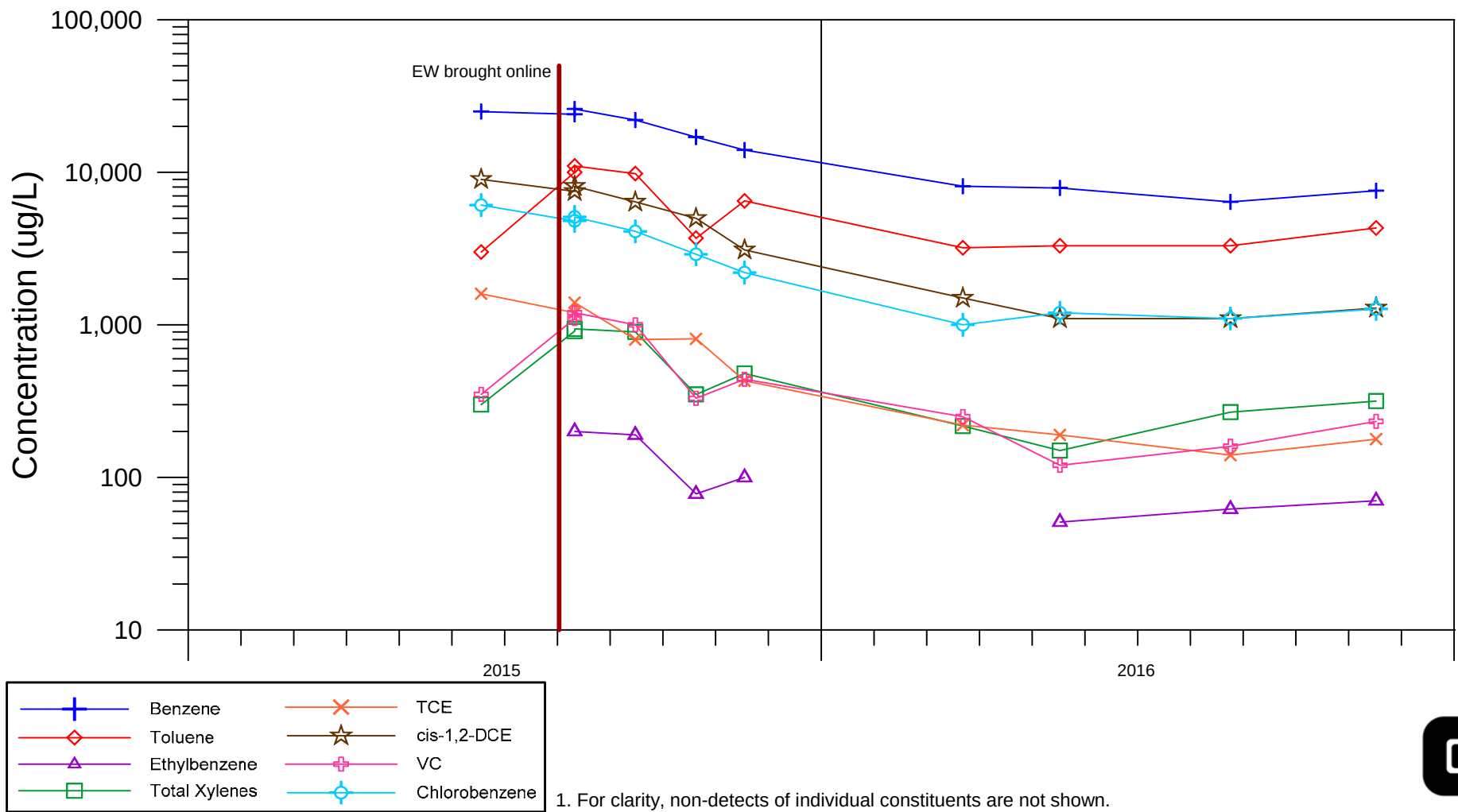


FIGURE 4-21

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-6

Dewey Loeffel Landfill Superfund Site
Nassau, New York

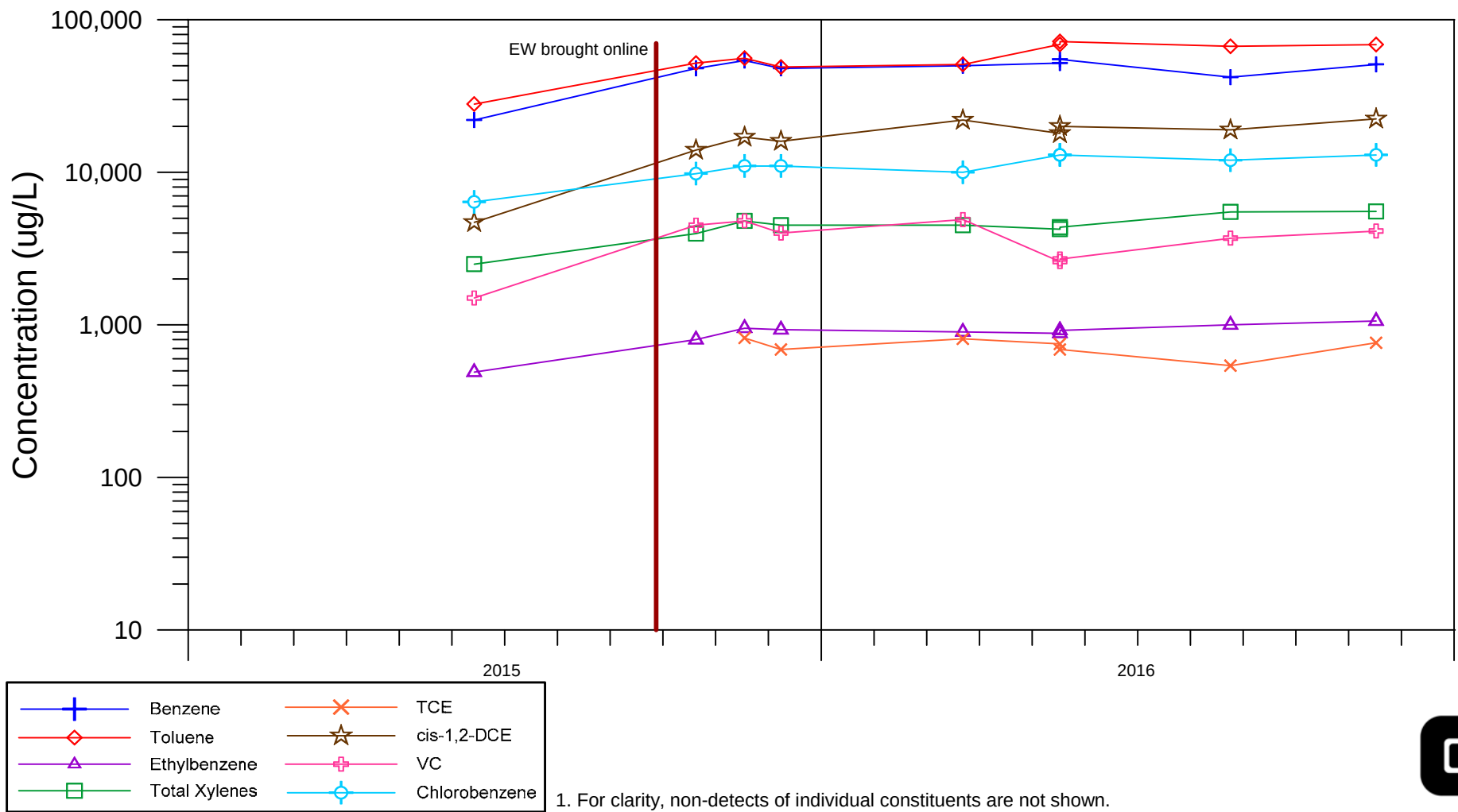


FIGURE 4-22

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-7

Dewey Loeffel Landfill Superfund Site
Nassau, New York

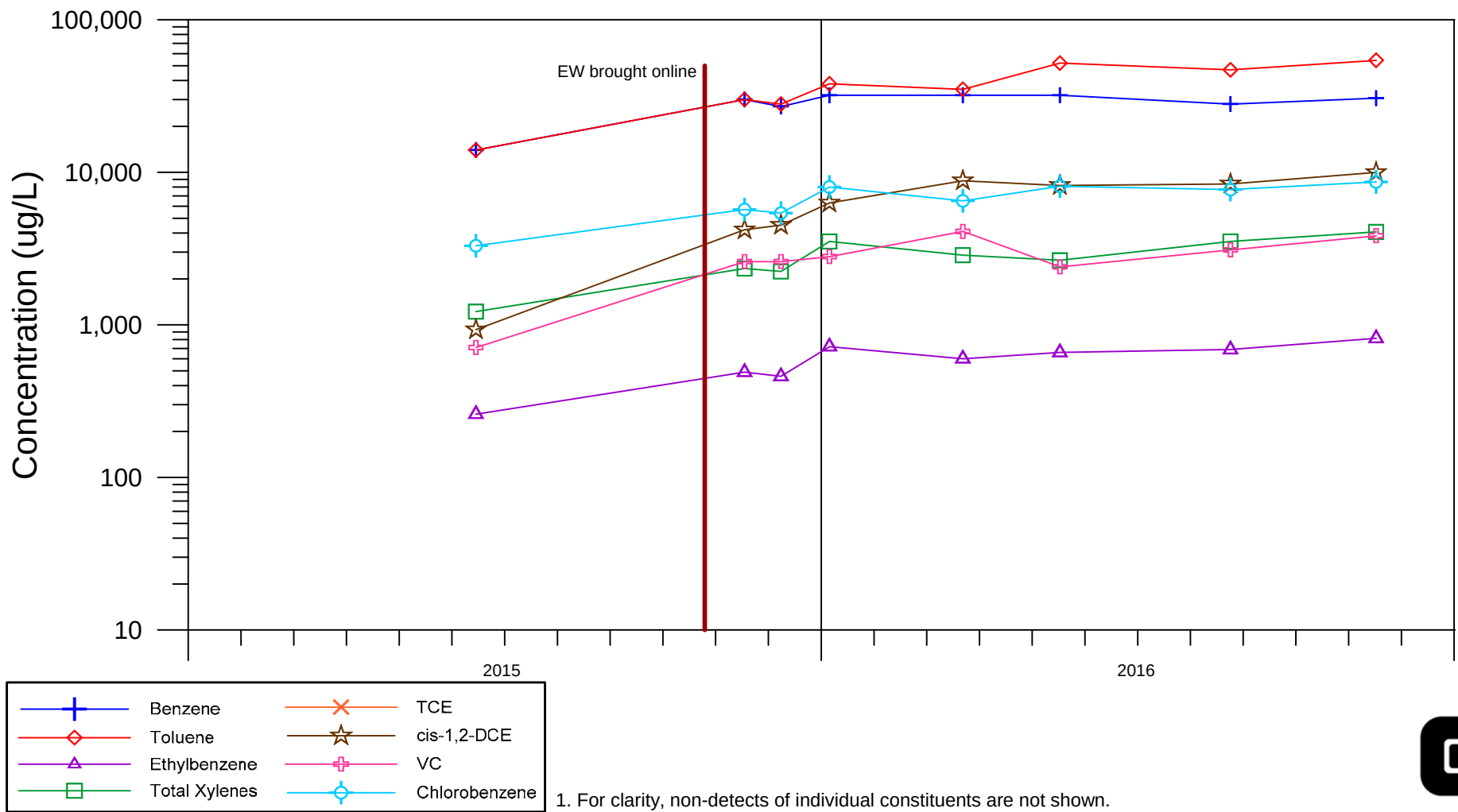


FIGURE 4-23

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-8

Dewey Loeffel Landfill Superfund Site
Nassau, New York

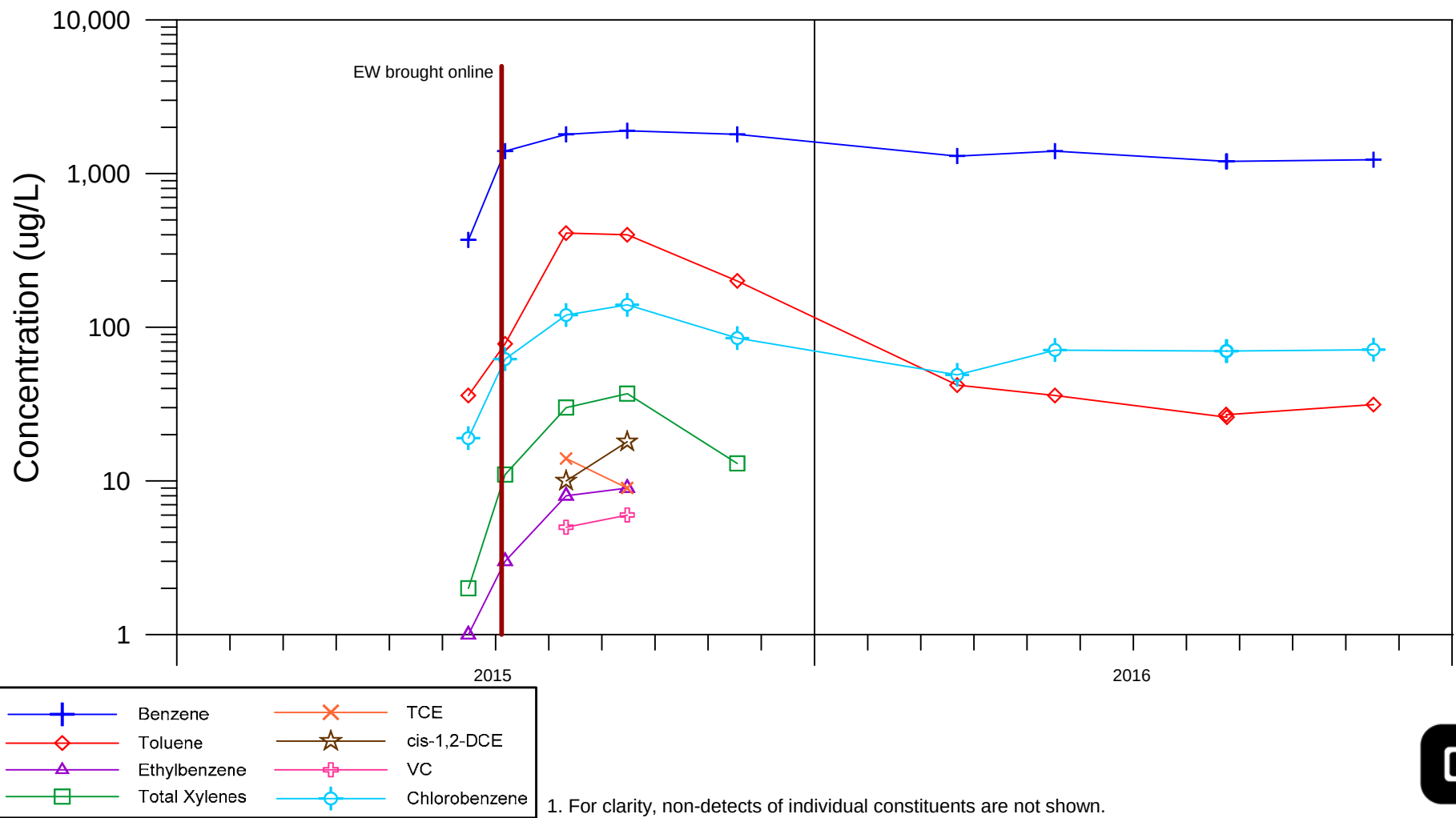


FIGURE 4-24

CONCENTRATIONS OF VOCs IN LEACHATE COLLECTION TANK

Dewey Loeffel Landfill Superfund Site
Nassau, New York

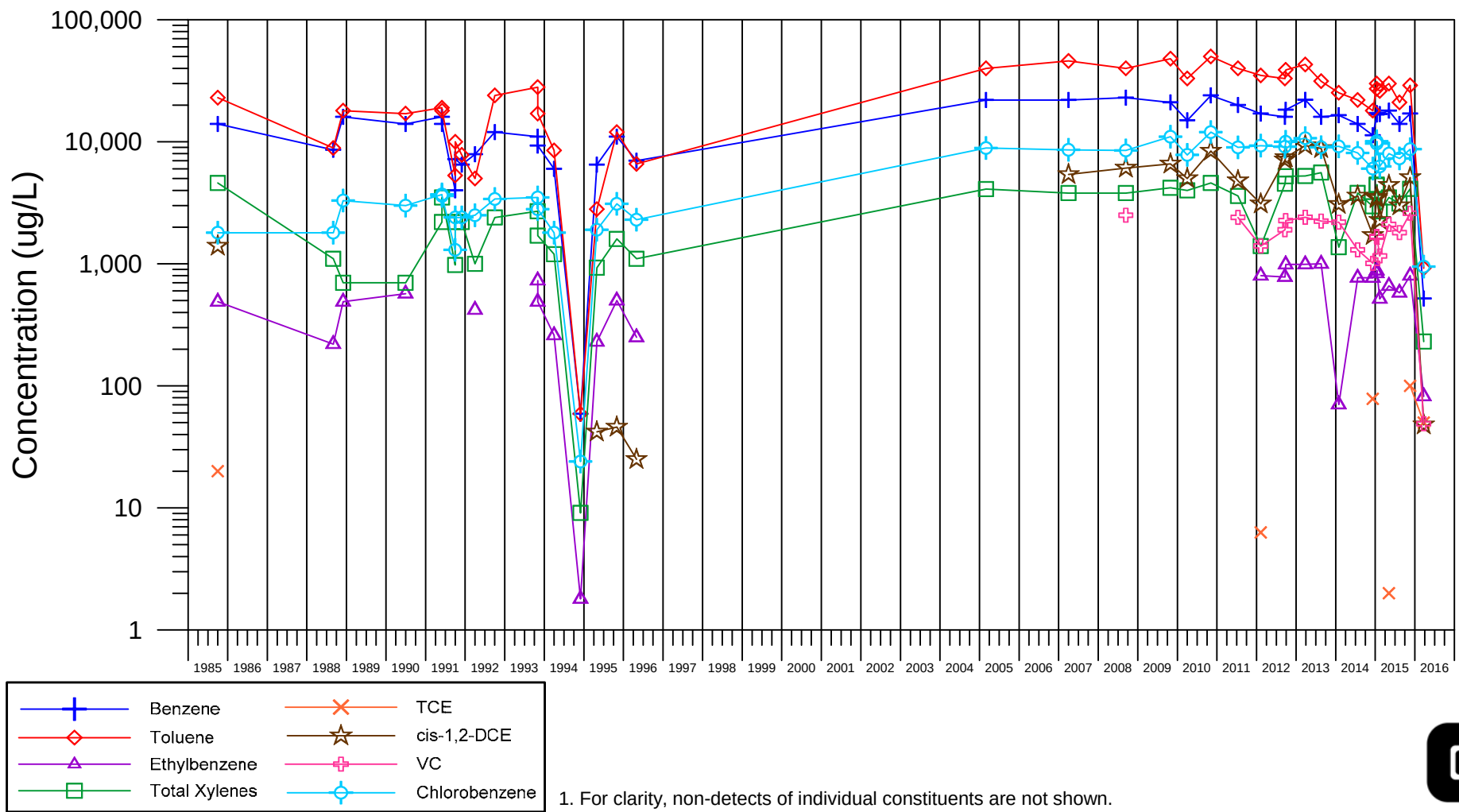


FIGURE 4-25

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

Dewey Loeffel Landfill Superfund Site
Nassau, New York

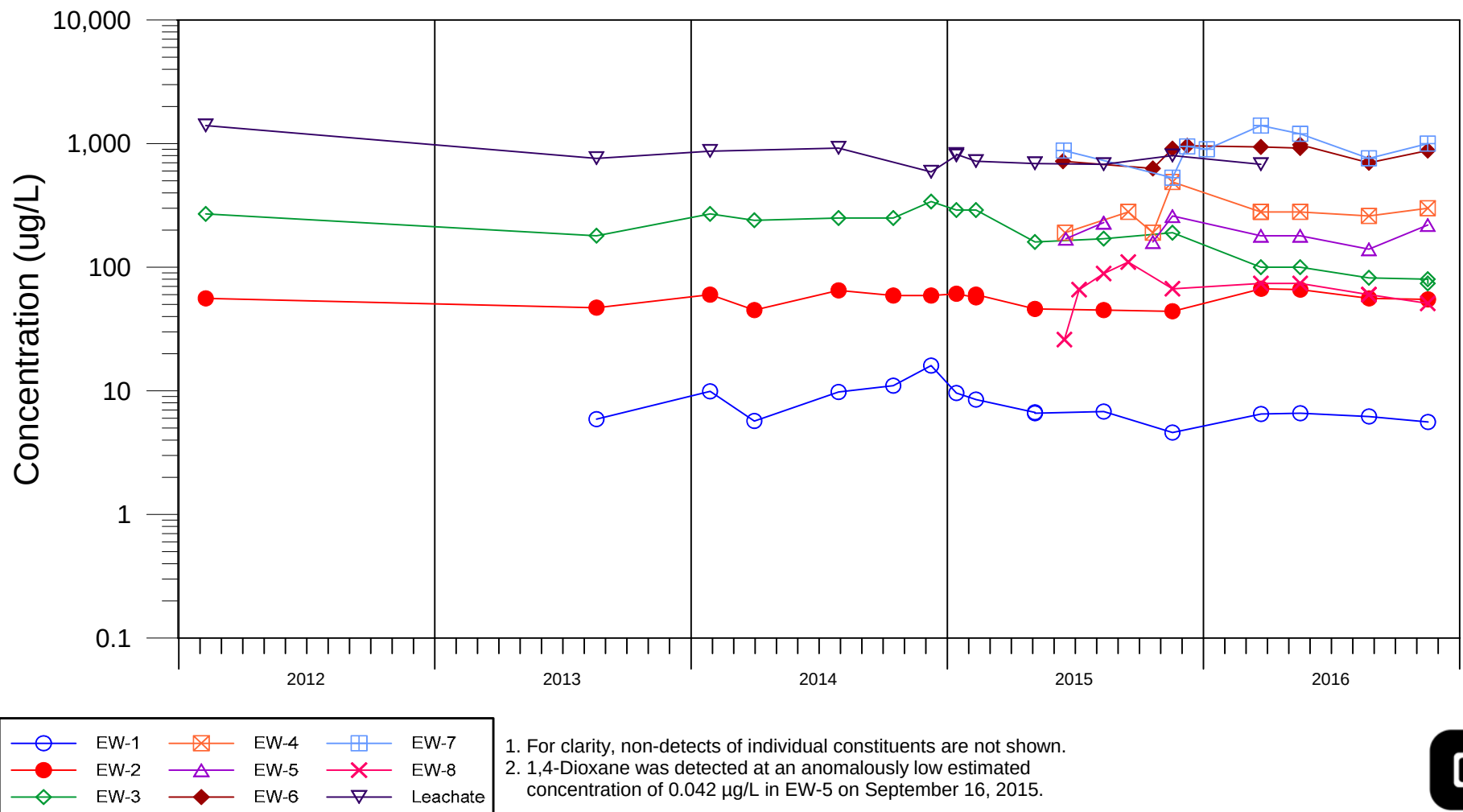
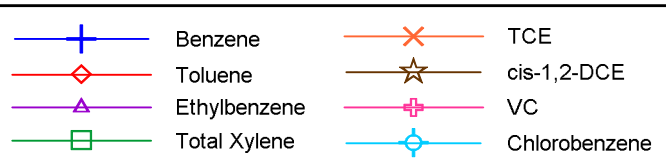
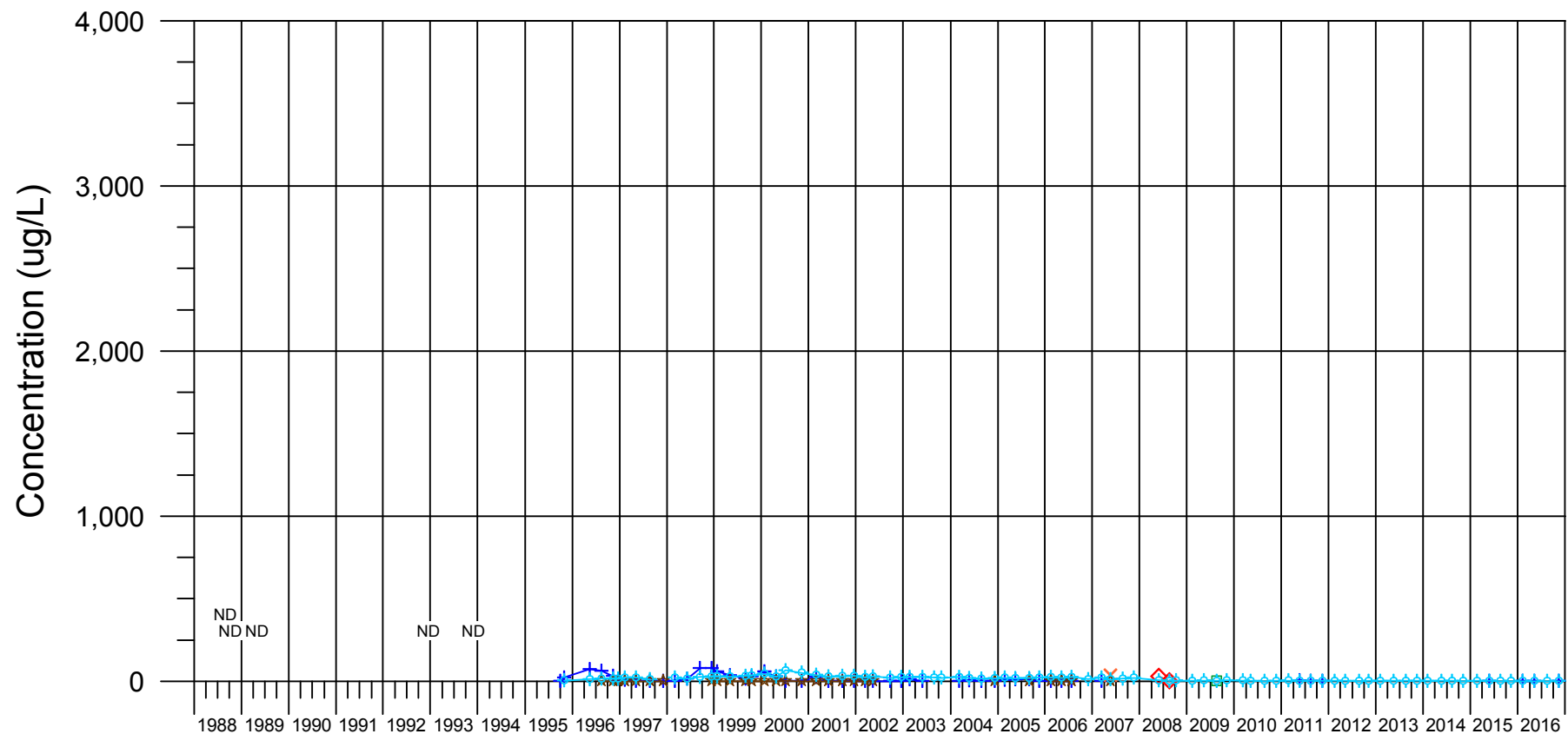


FIGURE 4-26a

CONCENTRATIONS OF VOCs
AT NYSDOH WELL 1

Dewey Loeffel Landfill Superfund Site
Nassau, New York



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



FIGURE 4-26b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 1

Dewey Loeffel Landfill Superfund Site
Nassau, New York

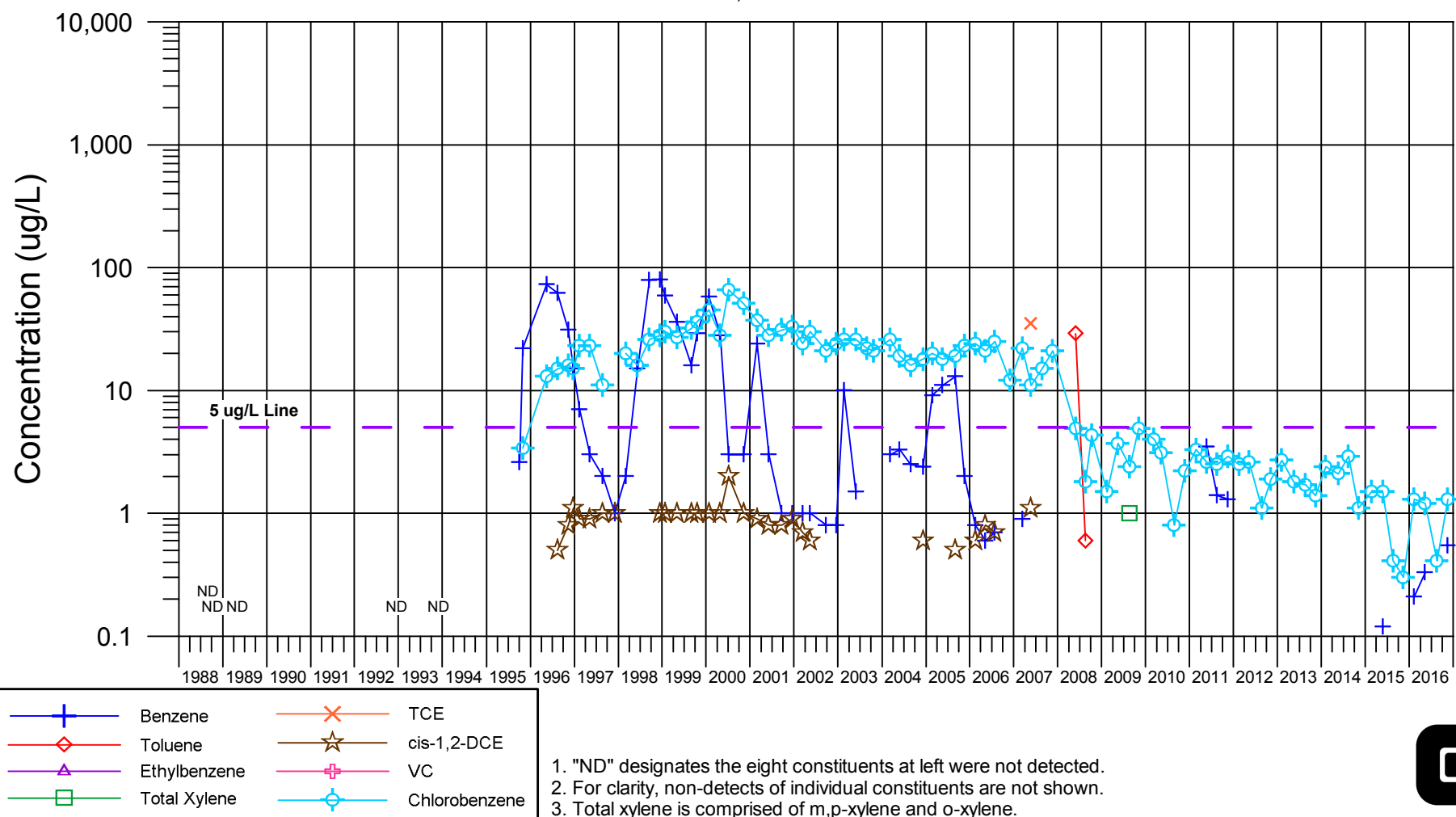
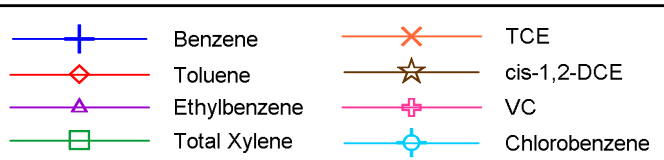
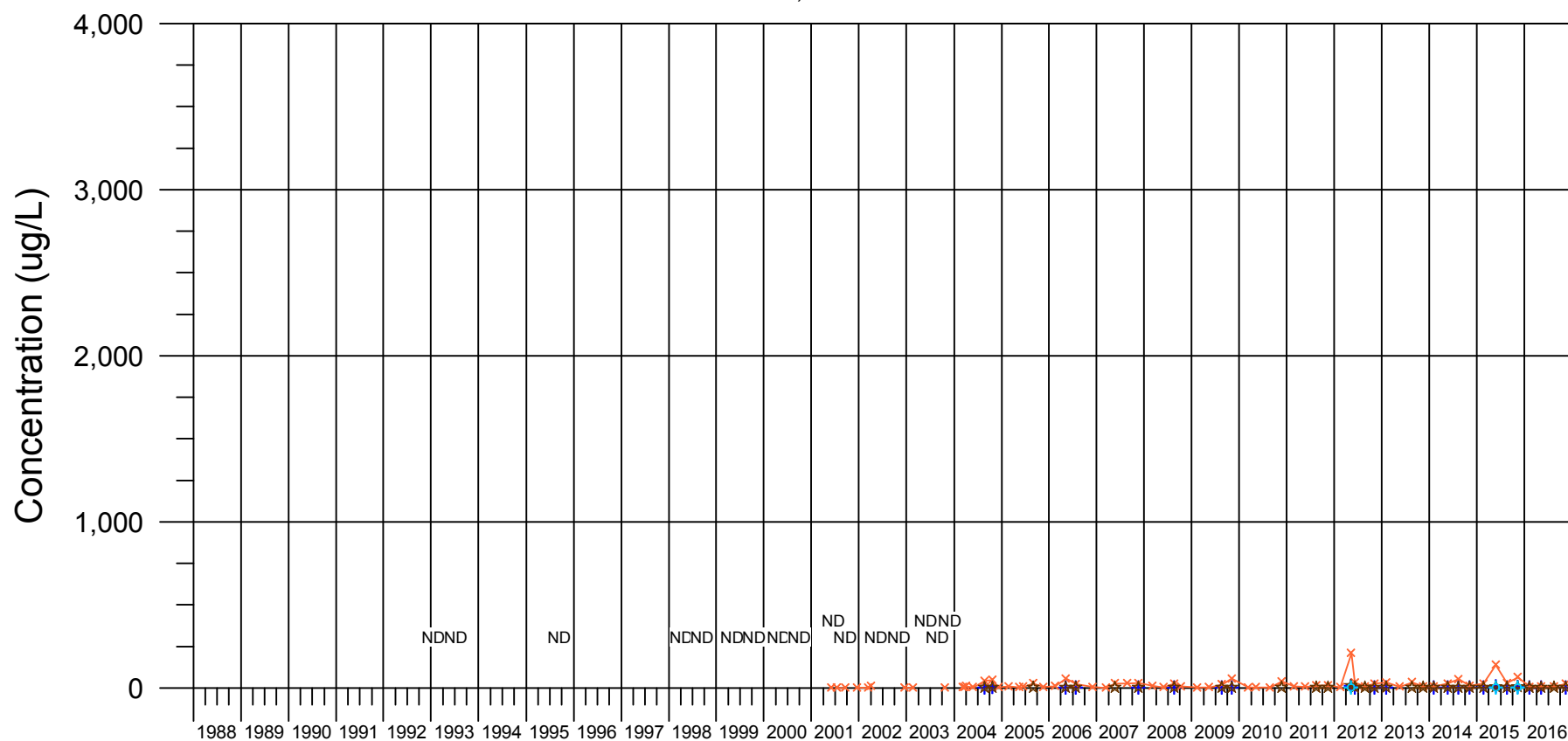


FIGURE 4-27a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 23

Dewey Loeffel Landfill Superfund Site
Nassau, New York



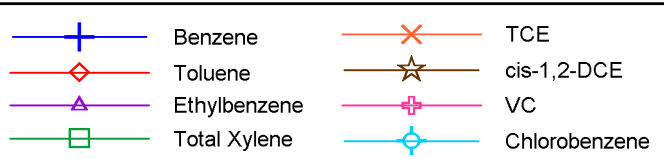
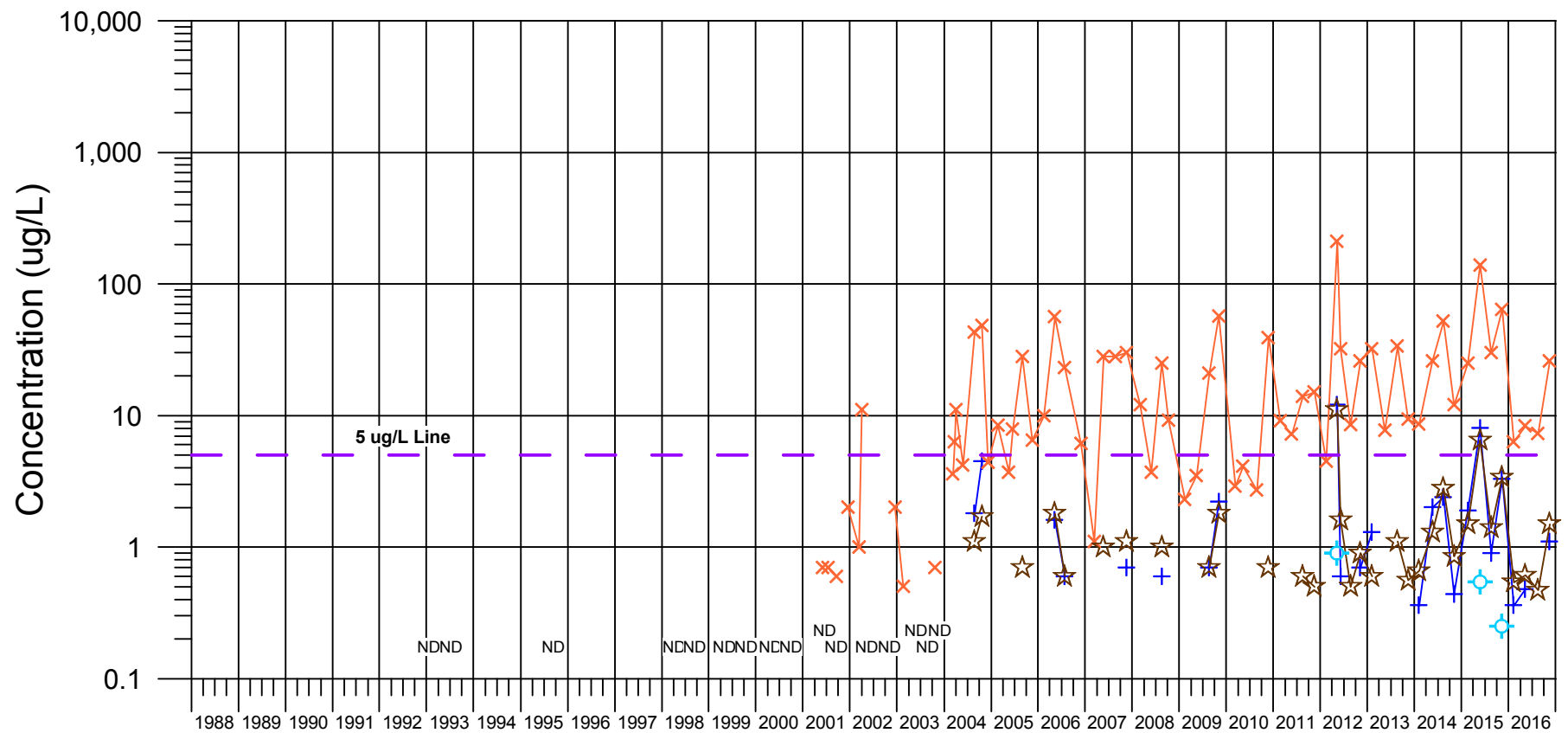
1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Anomalous result obtained on May 9, 2012 was not confirmed by resampling on June 7, 2012.



FIGURE 4-27b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 23

Dewey Loeffel Landfill Superfund Site
Nassau, New York



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



FIGURE 4-28a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24S

Dewey Loeffel Landfill Superfund Site
Nassau, New York

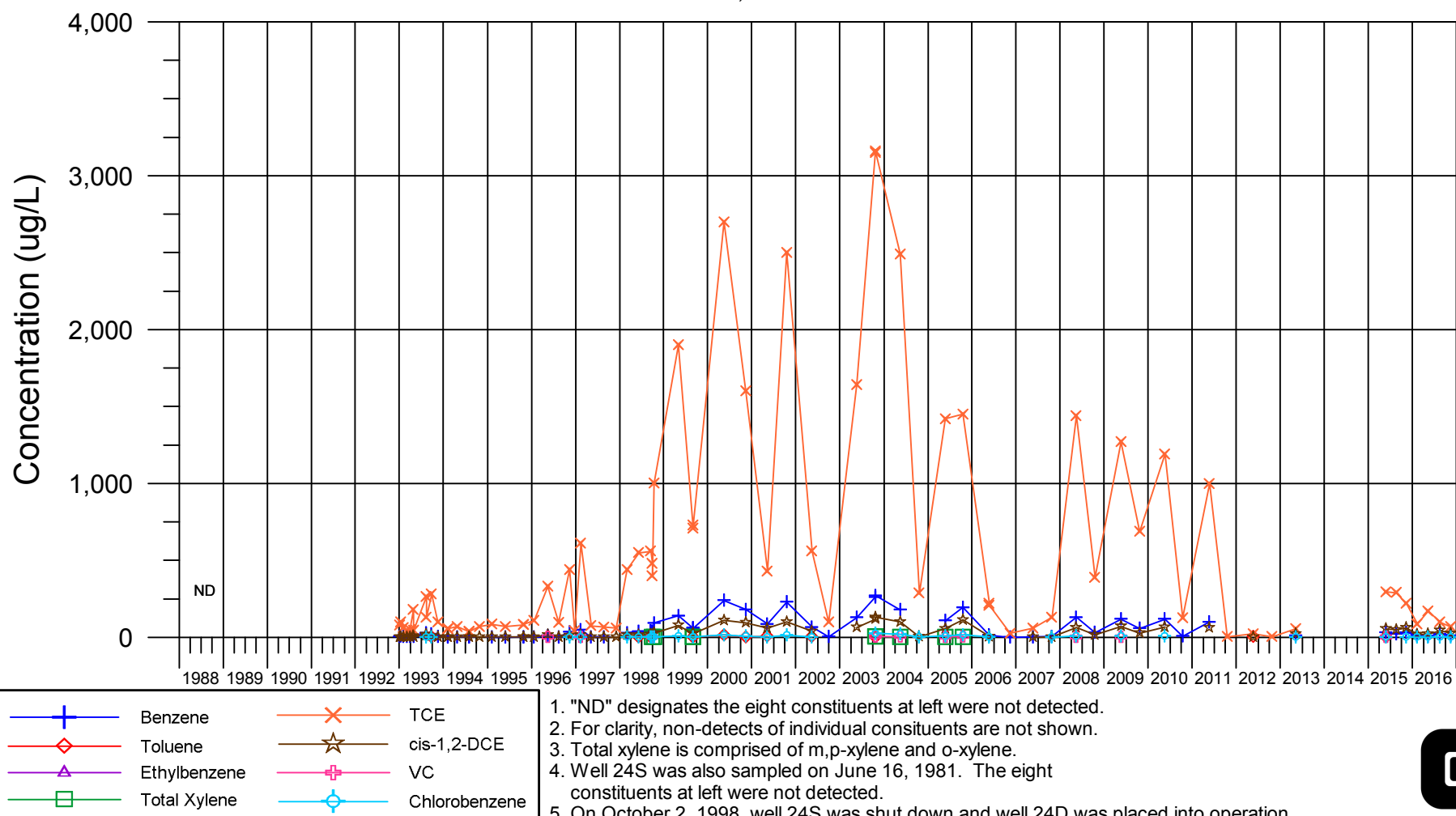
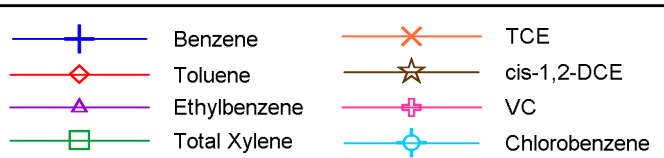
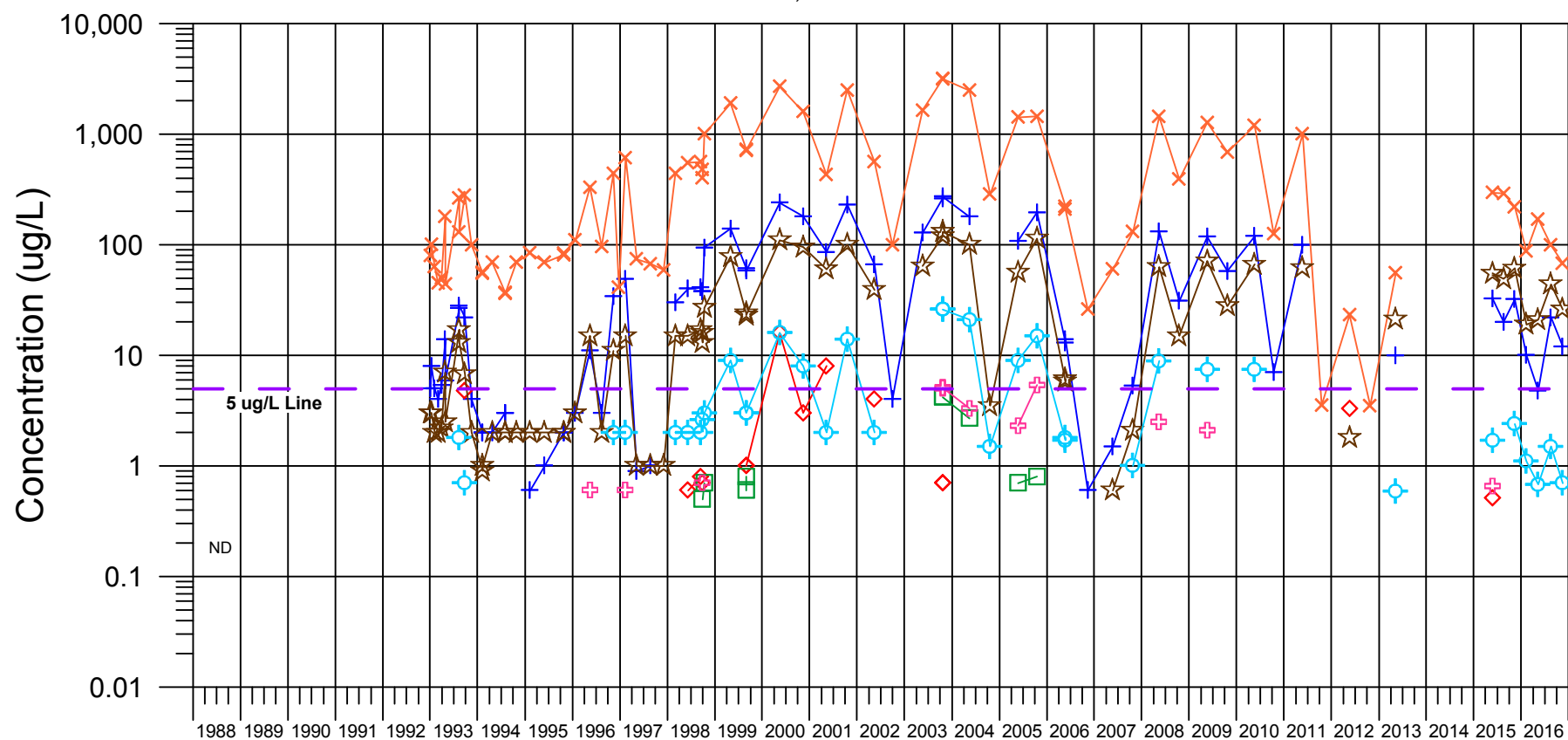


FIGURE 4-28b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24S

Dewey Loeffel Landfill Superfund Site
Nassau, New York



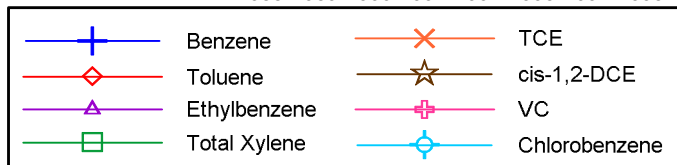
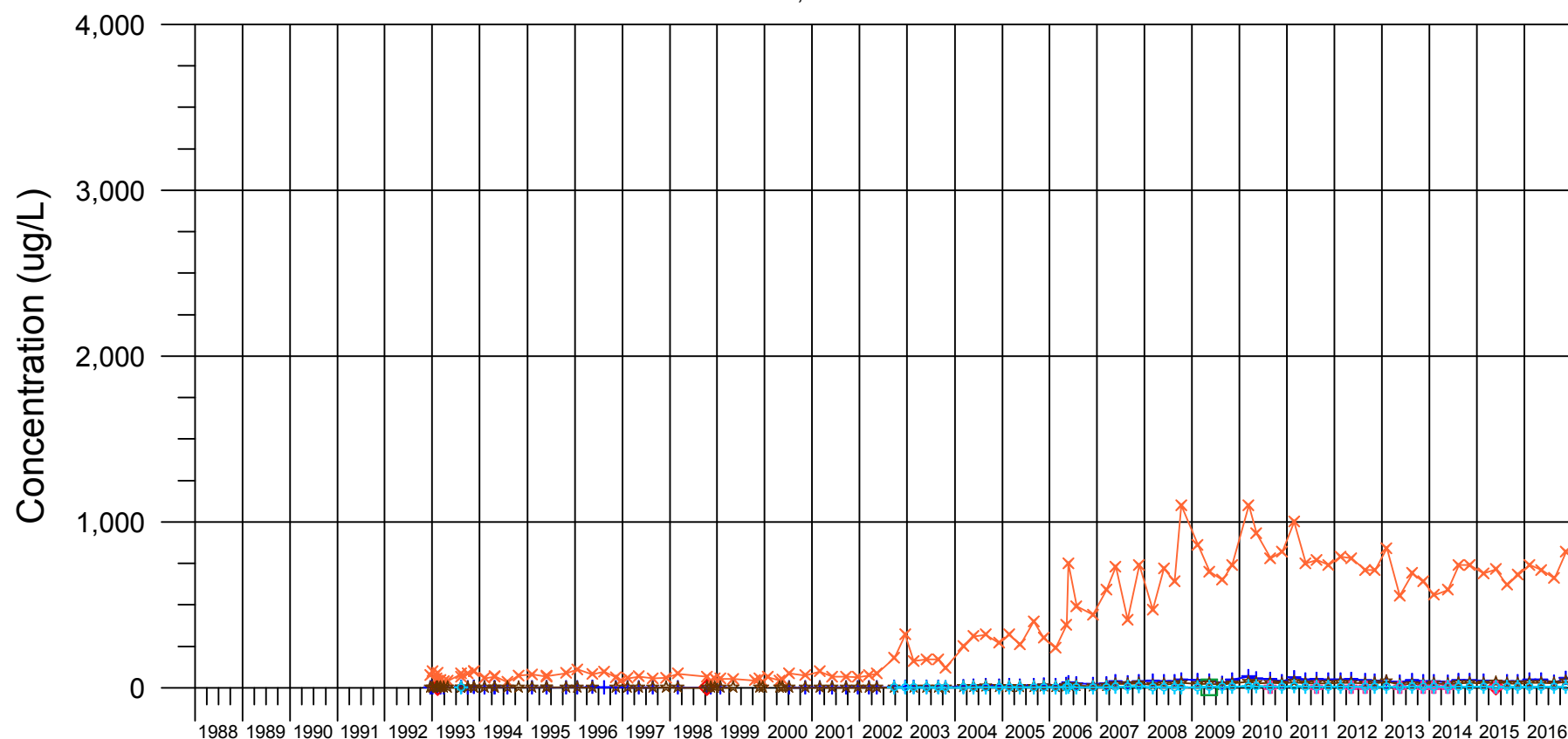
1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Well 24S was also sampled on June 16, 1981. The eight constituents at left were not detected.
5. On October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



FIGURE 4-29a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24D

Dewey Loeffel Landfill Superfund Site
Nassau, New York



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



FIGURE 4-29b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24D

Dewey Loeffel Landfill Superfund Site
Nassau, New York

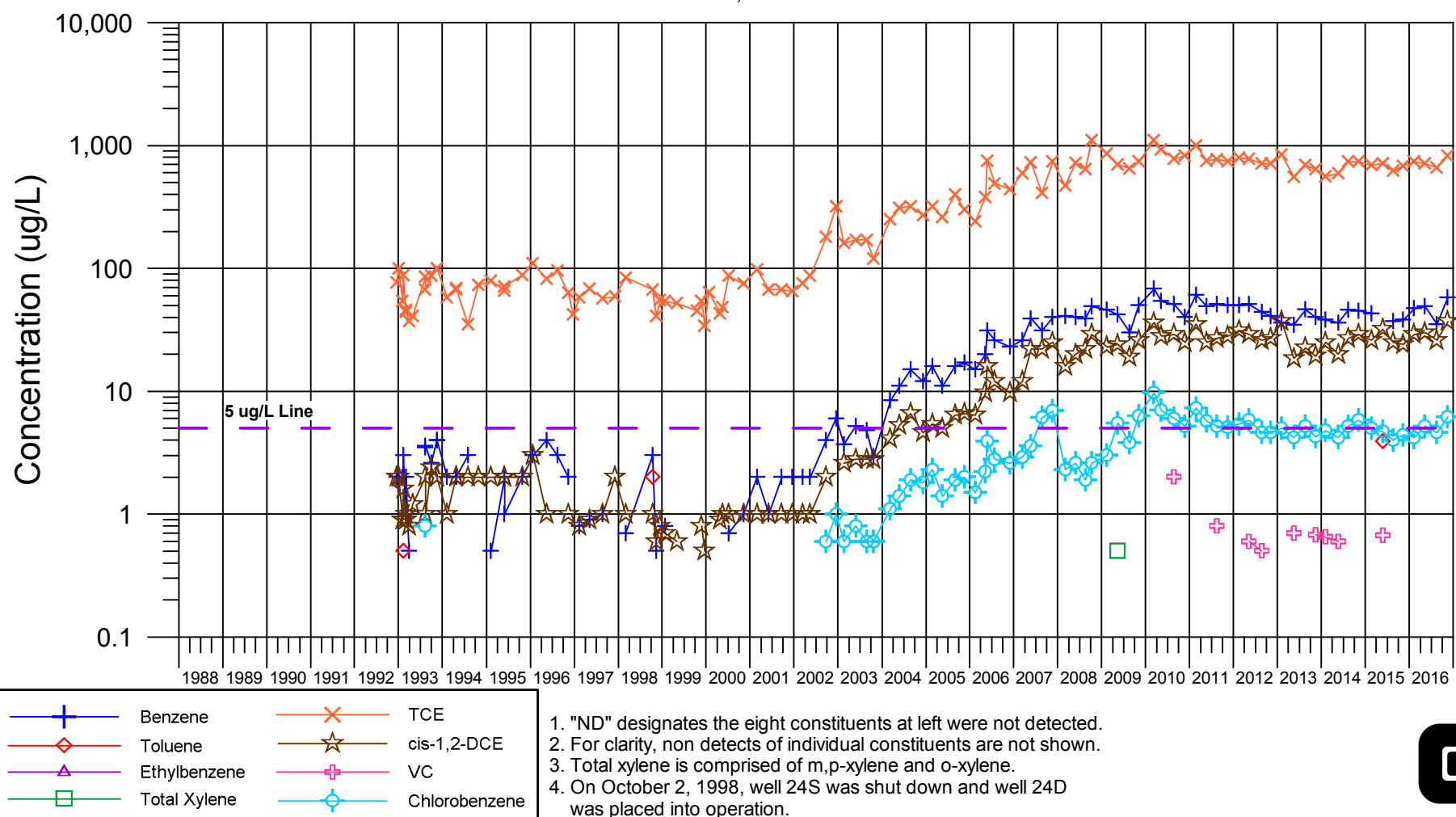


FIGURE 4-30a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 25

Dewey Loeffel Landfill Superfund Site
Nassau, New York

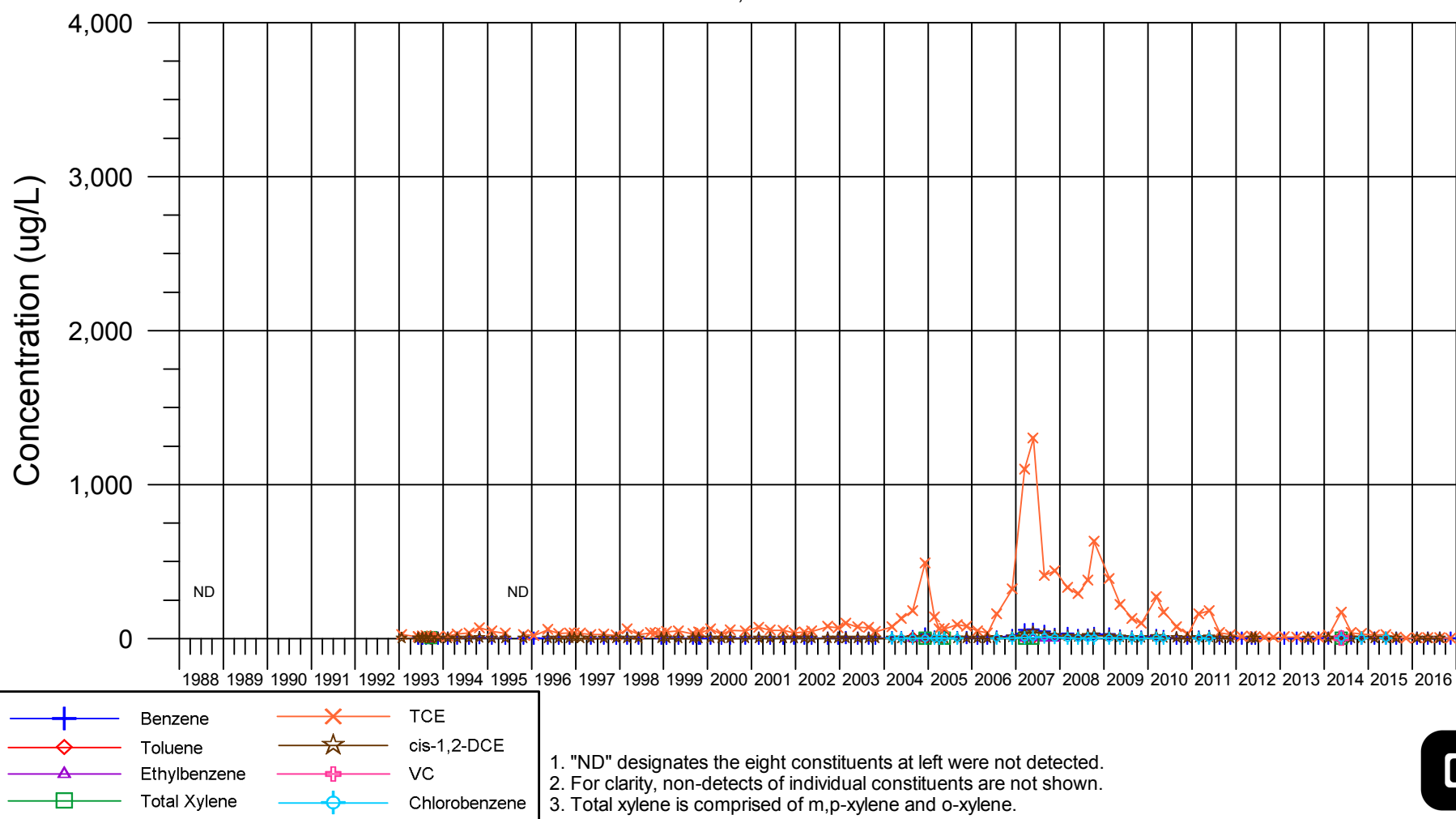
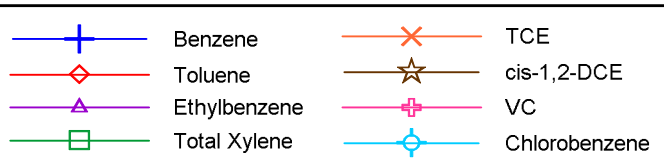
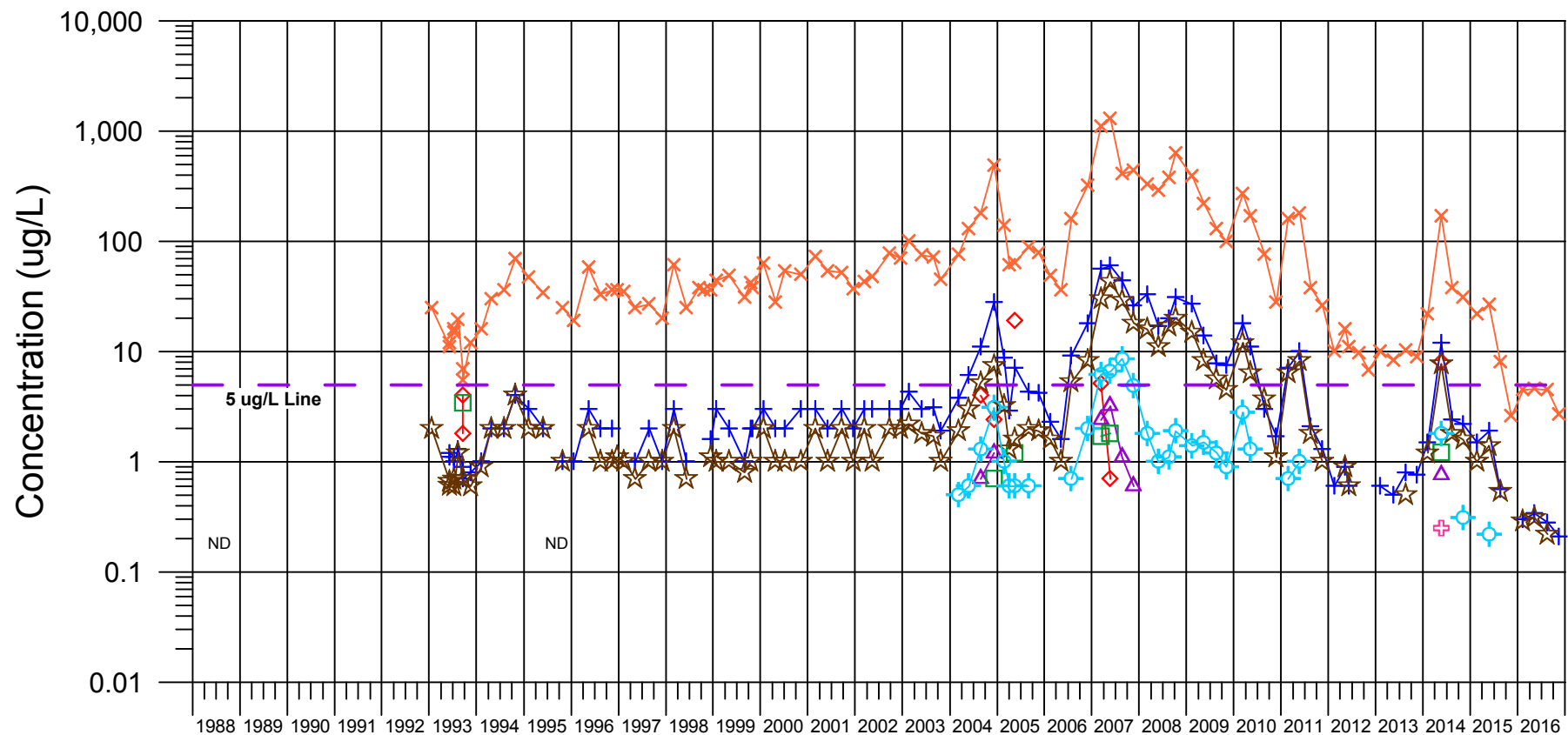


FIGURE 4-30b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 25

Dewey Loeffel Landfill Superfund Site
Nassau, New York



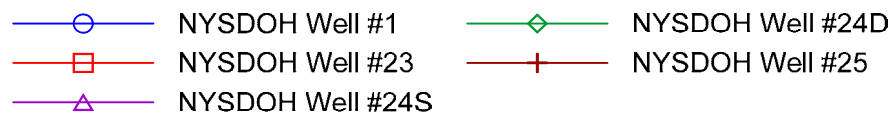
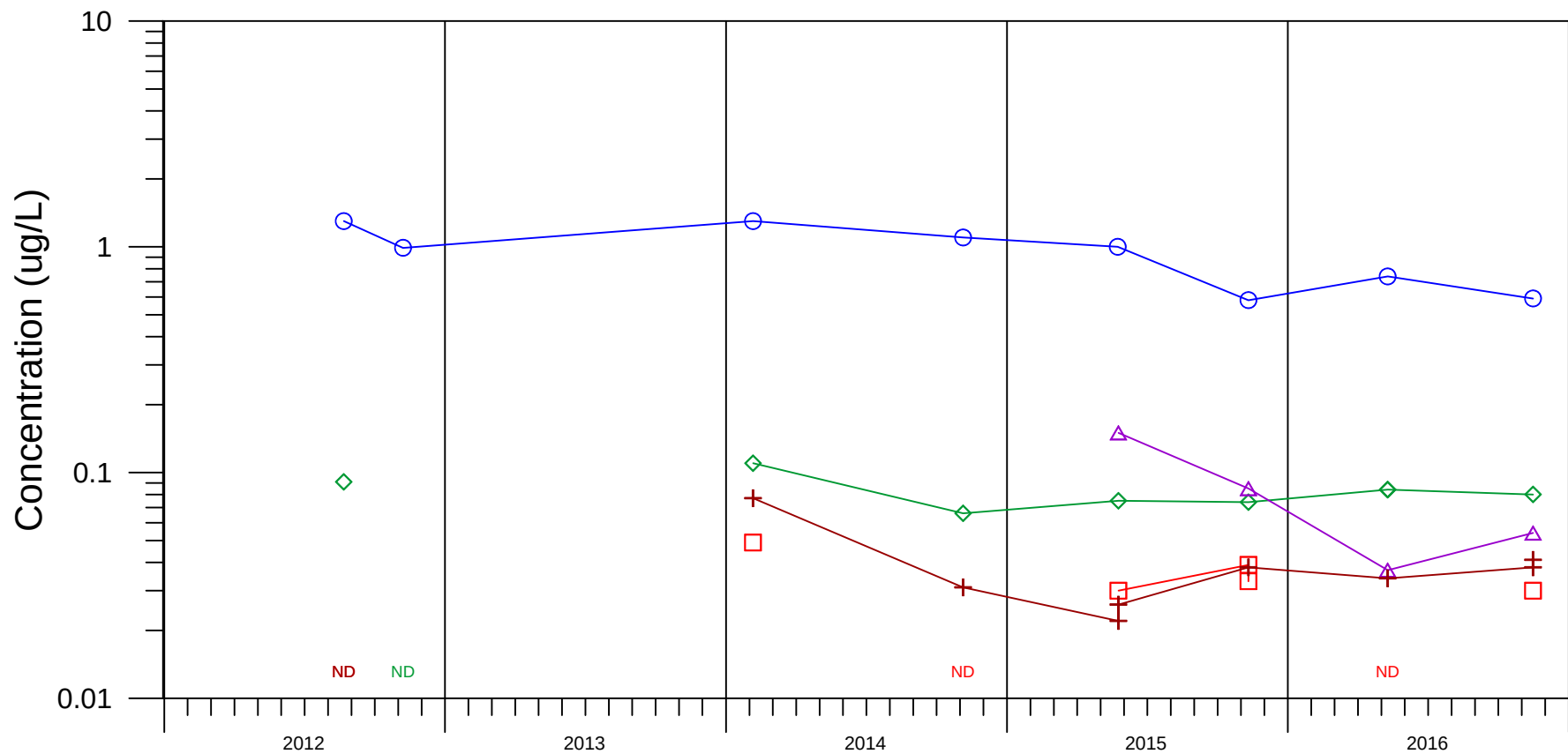
1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.



FIGURE 4-31

CONCENTRATIONS OF 1,4-DIOXANE AT
NYSDOH WELLS WITH POU TREATMENT SYSTEMS

Dewey Loeffel Landfill Superfund Site
Nassau, New York



1. "ND" designates 1,4-dioxane was not detected.





Appendices



Quarterly Fluid Level Measurements

Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements

March 4, 2016

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Cut-Off Wall							
GMW-1D	Overburden	641.03	638.5	24.88	616.15	--	--
GMW-10B	Overburden	641.29	639.2	53.04	588.25	--	--
GMW-11B	Overburden	645.55	644.1	16.72	628.83	--	--
PO-1	Overburden	649.83	646.7	24.68	625.15	--	--
PO-2	Overburden	643.41	640.8	18.18	625.23	--	--
PO-3	Overburden	644.47	641.5	19.28	625.19	--	--
PO-4	Overburden	642.40	639.9	16.85	625.55	--	--
PW-4	Overburden	642.56	640.6	16.88	625.68	--	--
14C	Overburden	652.09	650.0	20.95	631.14	--	--
14F	Overburden	648.06	647.9	14.42	633.64	--	--
DB-1S	Overburden	643.85	641.6	*	*	*	*
DB-2S	Overburden	643.65	641.2	No Water	NA	2.28**	13.72**
DB-3S	Overburden	642.36	640.7	23.50**	618.86**	7.39**	16.11**
DB-4S	Overburden	644.09	642.0	NM	NM	NM	17.92**
DB-5S	Overburden	644.26	640.7	NM	NM	NM	17.90**
DB-6S	Overburden	641.77	640.7	*	*	*	*
DB-7S	Overburden	643.58	641.3	17.55	626.03	--	--
OB-1	Overburden	650.59	648.0	18.44	632.15	--	--
OB-2	Overburden	651.25	648.3	19.03	632.22	--	--
OB-3	Overburden	650.38	647.6	18.21	632.17	--	--
OB-4	Overburden	641.46	639.2	16.10	625.36	--	--
OB-5	Overburden	642.09	640.1	17.52	624.57	--	--
OB-6	Overburden	642.62	640.2	18.21	624.41	--	--
PTW-1	Overburden	642.29	639.2	16.94	625.35	--	--
PTW-2	Overburden	643.71	640.9	19.31	624.40	--	--
S-1	Overburden	648.65	647.3	16.45	632.20	--	--
T-1	Overburden	650.53	647.7	18.51	632.02	--	--
T-2	Overburden	650.41	648.1	18.26	632.15	--	--
DB-1I	Shallow Bedrock	642.79	641.1	19.72	623.07	--	--
DB-2I	Shallow Bedrock	642.13	641.1	16.50	625.63	--	--
DB-3I	Shallow Bedrock	642.06	640.3	17.01	625.05	--	--
DB-4I	Shallow Bedrock	642.10	641.1	17.99	624.11	--	--
DB-5I	Shallow Bedrock	641.84	640.6	15.99	625.85	--	--
DB-6I	Shallow Bedrock	642.06	640.4	16.68	625.38	--	--
DB-7I	Shallow Bedrock	643.28	641.3	47.31	595.97	--	--
Monitoring Wells Inside Fence But Outside Cut-Off Wall							
GMW-11	Overburden	639.68	637.5	3.34	636.34	--	--
GMW-2B	Overburden	639.52	637.8	15.91	623.61	--	--
GMW-1C	Overburden	625.40	622.1	5.91	619.49	--	--
PW-1	Overburden	641.78	638.6	*	*	--	--
PW-2	Overburden	643.33	640.8	6.83	636.50	--	--
PW-3	Overburden	650.09	646.5	27.77	622.32	--	--
DB-8S	Overburden	642.81	640.9	16.04	626.77	--	--
DB-8I	Shallow Bedrock	641.91	640.6	50.70	591.21	--	--
GMW-1B	Shallow Bedrock	631.32	629.6	32.65	598.67	--	--
GMW-11A	Shallow Bedrock	638.61	636.4	10.26	628.35	--	--
GMW-12B	Shallow Bedrock	638.65	636.8	3.18	635.47	--	--
PB-1	Shallow Bedrock	641.93	639.4	59.40	582.53	--	--
PB-2	Shallow Bedrock	649.70	647.1	26.50	623.20	--	--

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water and/or product provided in feet below measuring point.
3. Product thickness provided in feet.
4. "*" designates measurement not taken due to obstruction in well.
5. "NA" designates not applicable.
6. "***" designates measurement may not be reliable due to adhesion of product onto interface probe.
7. "NM" designates no measurement could be obtained due to product on tip of probe.



Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements

May 16, 2016

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Cut-Off Wall							
GMW-1D	Overburden	641.03	638.5	25.62	615.41	--	--
GMW-10B	Overburden	641.29	639.2	53.35	587.94	--	--
GMW-11B	Overburden	645.55	644.1	16.62	628.93	--	--
PO-1	Overburden	649.83	646.7	25.50	624.33	--	--
PO-2	Overburden	643.41	640.8	18.29	625.12	--	--
PO-3	Overburden	644.47	641.5	19.29	625.18	--	--
PO-4	Overburden	642.40	639.9	17.20	625.20	--	--
PW-4	Overburden	642.56	640.6	17.27	625.29	--	--
14C	Overburden	652.09	650.0	20.57	631.52	--	--
14F	Overburden	648.06	647.9	14.40	633.66	--	--
DB-1S	Overburden	643.85	641.6	*	*	*	*
DB-2S	Overburden	643.65	641.2	No Water	NA	2.25**	13.75**
DB-3S	Overburden	642.36	640.7	21.82**	620.54**	5.29**	16.53**
DB-4S	Overburden	644.09	642.0	23.50**	620.59**	5.52**	17.98**
DB-5S	Overburden	644.26	640.7	NM	NM	NM	18.27**
DB-6S	Overburden	641.77	640.7	*	*	*	*
DB-7S	Overburden	643.58	641.3	18.03	625.55	--	--
OB-1	Overburden	650.59	648.0	18.50	632.09	--	--
OB-2	Overburden	651.25	648.3	19.11	632.14	--	--
OB-3	Overburden	650.38	647.6	18.18	632.20	--	--
OB-4	Overburden	641.46	639.2	16.30	625.16	--	--
OB-5	Overburden	642.09	640.1	17.60	624.49	--	--
OB-6	Overburden	642.62	640.2	18.23	624.39	--	--
PTW-1	Overburden	642.29	639.2	17.13	625.16	--	--
PTW-2	Overburden	643.71	640.9	19.31	624.40	--	--
S-1	Overburden	648.65	647.3	16.55	632.10	--	--
T-1	Overburden	650.53	647.7	18.61	631.92	--	--
T-2	Overburden	650.41	648.1	18.32	632.09	--	--
DB-1I	Shallow Bedrock	642.79	641.1	19.86	622.93	--	--
DB-2I	Shallow Bedrock	642.13	641.1	16.79	625.34	--	--
DB-3I	Shallow Bedrock	642.06	640.3	17.25	624.81	--	--
DB-4I	Shallow Bedrock	642.10	641.1	18.26	623.84	--	--
DB-5I	Shallow Bedrock	641.84	640.6	16.29	625.55	--	--
DB-6I	Shallow Bedrock	642.06	640.4	16.88	625.18	--	--
DB-7I	Shallow Bedrock	643.28	641.3	47.49	595.79	--	--
Monitoring Wells Inside Fence But Outside Cut-Off Wall							
GMW-11	Overburden	639.68	637.5	3.81	635.87	--	--
GMW-2B	Overburden	639.52	637.8	16.38	623.14	--	--
GMW-1C	Overburden	625.40	622.1	7.75	617.65	--	--
PW-1	Overburden	641.78	638.6	*	*	--	--
PW-2	Overburden	643.33	640.8	7.39	635.94	--	--
PW-3	Overburden	650.09	646.5	28.22	621.87	--	--
DB-8S	Overburden	642.81	640.9	14.54	628.27	--	--
DB-8I	Shallow Bedrock	641.91	640.6	50.64	591.27	--	--
GMW-1B	Shallow Bedrock	631.32	629.6	32.96	598.36	--	--
GMW-11A	Shallow Bedrock	638.61	636.4	10.22	628.39	--	--
GMW-12B	Shallow Bedrock	638.65	636.8	3.18	635.47	--	--
PB-1	Shallow Bedrock	641.93	639.4	59.41	582.52	--	--
PB-2	Shallow Bedrock	649.70	647.1	26.46	623.24	--	--

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water and/or product provided in feet below measuring point.
3. Product thickness provided in feet.
4. "*" designates measurement not taken due to obstruction in well.
5. "NA" designates not applicable.
6. "***" designates measurement may not be reliable due to adhesion of product onto interface probe.
7. "NM" designates no measurement could be obtained due to product on tip of probe.



Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements

August 10, 2016

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Cut-Off Wall							
GMW-1D	Overburden	641.03	638.5	26.85	614.18	--	--
GMW-10B	Overburden	641.29	639.2	53.67	587.62	--	--
GMW-11B	Overburden	645.55	644.1	17.02	628.53	--	--
PO-1	Overburden	649.83	646.7	26.75	623.08	--	--
PO-2	Overburden	643.41	640.8	18.46	624.95	--	--
PO-3	Overburden	644.47	641.5	19.56	624.91	--	--
PO-4	Overburden	642.40	639.9	No Water	NA	--	--
PW-4	Overburden	642.56	640.6	17.84	624.72	--	--
14C	Overburden	652.09	650.0	21.25	630.84	--	--
14F	Overburden	648.06	647.9	15.27	632.79	--	--
DB-1S	Overburden	643.85	641.6	*	*	*	*
DB-2S	Overburden	643.65	641.2	No Water	NA	2.53**	13.47**
DB-3S	Overburden	642.36	640.7	23.81**	618.55**	6.82**	16.99**
DB-4S	Overburden	644.09	642.0	22.80**	621.29**	4.60**	18.20**
DB-5S	Overburden	644.26	640.7	NM	NM	NM	18.80**
DB-6S	Overburden	641.77	640.7	*	*	*	*
DB-7S	Overburden	643.58	641.3	18.49	625.09	--	--
OB-1	Overburden	650.59	648.0	18.97	631.62	--	--
OB-2	Overburden	651.25	648.3	19.56	631.69	--	--
OB-3	Overburden	650.38	647.6	18.77	631.61	--	--
OB-4	Overburden	641.46	639.2	16.75	624.71	--	--
OB-5	Overburden	642.09	640.1	18.15	623.94	--	--
OB-6	Overburden	642.62	640.2	18.78	623.84	--	--
PTW-1	Overburden	642.29	639.2	17.58	624.71	--	--
PTW-2	Overburden	643.71	640.9	19.90	623.81	--	--
S-1	Overburden	648.65	647.3	17.00	631.65	--	--
T-1	Overburden	650.53	647.7	19.05	631.48	--	--
T-2	Overburden	650.41	648.1	18.80	631.61	--	--
DB-1I	Shallow Bedrock	642.79	641.1	20.56	622.23	--	--
DB-2I	Shallow Bedrock	642.13	641.1	17.35	624.78	--	--
DB-3I	Shallow Bedrock	642.06	640.3	17.90	624.16	--	--
DB-4I	Shallow Bedrock	642.10	641.1	18.91	623.19	--	--
DB-5I	Shallow Bedrock	641.84	640.6	16.85	624.99	--	--
DB-6I	Shallow Bedrock	642.06	640.4	17.53	624.53	--	--
DB-7I	Shallow Bedrock	643.28	641.3	48.01	595.27	--	--
Monitoring Wells Inside Fence But Outside Cut-Off Wall							
GMW-11	Overburden	639.68	637.5	6.60	633.08	--	--
GMW-2B	Overburden	639.52	637.8	16.89	622.63	--	--
GMW-1C	Overburden	625.40	622.1	9.34	616.06	--	--
PW-1	Overburden	641.78	638.6	*	*	--	--
PW-2	Overburden	643.33	640.8	10.30	633.03	--	--
PW-3	Overburden	650.09	646.5	28.95	621.14	--	--
DB-8S	Overburden	642.81	640.9	15.76	627.05	--	--
DB-8I	Shallow Bedrock	641.91	640.6	51.12	590.79	--	--
GMW-1B	Shallow Bedrock	631.32	629.6	34.47	596.85	--	--
GMW-11A	Shallow Bedrock	638.61	636.4	11.00	627.61	--	--
GMW-12B	Shallow Bedrock	638.65	636.8	4.45	634.20	--	--
PB-1	Shallow Bedrock	641.93	639.4	60.40	581.53	--	--
PB-2	Shallow Bedrock	649.70	647.1	27.22	622.48	--	--

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water and/or product provided in feet below measuring point.
3. Product thickness provided in feet.
4. "*" designates measurement not taken due to obstruction in well.
5. "NA" designates not applicable.
6. "***" designates measurement may not be reliable due to adhesion of product onto interface probe.
7. "NM" designates no measurement could be obtained due to product on tip of probe.



Quarterly Water and Light Non-Aqueous Phase Liquid (LNAPL) Level Measurements

October 17, 2016

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation	Product Thickness	Depth to Product
Monitoring Wells Inside Cut-Off Wall							
GMW-1D	Overburden	641.03	638.5	28.24	612.79	--	--
GMW-10B	Overburden	641.29	639.2	54.58	586.71	--	--
GMW-11B	Overburden	645.55	644.1	17.26	628.29	--	--
PO-1	Overburden	649.83	646.7	25.71	624.12	--	--
PO-2	Overburden	643.41	640.8	18.66	624.75	--	--
PO-3	Overburden	644.47	641.5	19.97	624.50	--	--
PO-4	Overburden	642.40	639.9	No Water	NA	--	--
PW-4	Overburden	642.56	640.6	18.44	624.12	--	--
14C	Overburden	652.09	650.0	21.41	630.68	--	--
14F	Overburden	648.06	647.9	15.70	632.36	--	--
DB-1S	Overburden	643.85	641.6	20.10**	623.75	0.75**	19.35**
DB-2S	Overburden	643.65	641.2	No Water	NA	3.05**	19.00**
DB-3S	Overburden	642.36	640.7	24.15**	618.21**	5.94**	18.21**
DB-4S	Overburden	644.09	642.0	24.27**	619.82**	5.46**	18.81**
DB-5S	Overburden	644.26	640.7	NM	NM	NM	19.34**
DB-6S	Overburden	641.77	640.7	*	*	*	*
DB-7S	Overburden	643.58	641.3	18.90	624.68	--	--
OB-1	Overburden	650.59	648.0	19.09	631.50	--	--
OB-2	Overburden	651.25	648.3	19.70	631.55	--	--
OB-3	Overburden	650.38	647.6	18.88	631.50	--	--
OB-4	Overburden	641.46	639.2	17.25	624.21	--	--
OB-5	Overburden	642.09	640.1	18.45	623.64	--	--
OB-6	Overburden	642.62	640.2	19.06	623.56	--	--
PTW-1	Overburden	642.29	639.2	18.09	624.20	--	--
PTW-2	Overburden	643.71	640.9	20.22	623.49	--	--
S-1	Overburden	648.65	647.3	17.11	631.54	--	--
T-1	Overburden	650.53	647.7	19.21	631.32	--	--
T-2	Overburden	650.41	648.1	18.91	631.50	--	--
DB-1I	Shallow Bedrock	642.79	641.1	21.02	621.77	--	--
DB-2I	Shallow Bedrock	642.13	641.1	17.88	624.25	--	--
DB-3I	Shallow Bedrock	642.06	640.3	18.41	623.65	--	--
DB-4I	Shallow Bedrock	642.10	641.1	19.42	622.68	--	--
DB-5I	Shallow Bedrock	641.84	640.6	17.36	624.48	--	--
DB-6I	Shallow Bedrock	642.06	640.4	18.01	624.05	--	--
DB-7I	Shallow Bedrock	643.28	641.3	48.72	594.56	--	--
Monitoring Wells Inside Fence But Outside Cut-Off Wall							
GMW-11	Overburden	639.68	637.5	9.02	630.66	--	--
GMW-2B	Overburden	639.52	637.8	17.44	622.08	--	--
GMW-1C	Overburden	625.40	622.1	11.40	614.00	--	--
PW-1	Overburden	641.78	638.6	*	*	--	--
PW-2	Overburden	643.33	640.8	12.78	630.55	--	--
PW-3	Overburden	650.09	646.5	28.37	621.72	--	--
DB-8S	Overburden	642.81	640.9	16.39	626.42	--	--
DB-8I	Shallow Bedrock	641.91	640.6	51.34	590.57	--	--
GMW-1B	Shallow Bedrock	631.32	629.6	35.30	596.02	--	--
GMW-11A	Shallow Bedrock	638.61	636.4	11.64	626.97	--	--
GMW-12B	Shallow Bedrock	638.65	636.8	4.95	633.70	--	--
PB-1	Shallow Bedrock	641.93	639.4	61.49	580.44	--	--
PB-2	Shallow Bedrock	649.70	647.1	27.65	622.05	--	--

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water and/or product provided in feet below measuring point.
3. Product thickness provided in feet.
4. "*" designates measurement not taken due to obstruction in well.
5. "NA" designates not applicable.
6. "***" designates measurement may not be reliable due to adhesion of product onto interface probe.
7. "NM" designates no measurement could be obtained due to product on tip of probe.





Extraction Well Start-Up Hydraulic Monitoring

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
January 8, 2016

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	60.29	579.30
OMW-102	Bedrock	639.14	636.5	59.60	579.54
OMW-103	Bedrock	643.76	642.3	8.47	635.29
OMW-107	Overburden	625.51	623.2	4.01	621.50
OMW-108	Bedrock	625.08	623.2	34.31	590.77
OMW-201	Bedrock	639.17	636.9	58.66	580.51
OMW-202	Bedrock	656.23	654.4	85.39	570.84
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.21	619.77
OMW-206	Bedrock	618.01	615.9	27.64	590.37
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	67.45	587.54
OMW-213	Bedrock	668.04	665.9	84.27	583.77
OMW-214	Bedrock	655.83	655.1	42.39	613.44
OMW-215	Bedrock	657.05	654.8	80.65	576.40
OMW-216	Bedrock	658.15	656.7	48.15	610.00
OMW-218	Bedrock	654.18	651.5	66.66	587.52
OMW-219	Bedrock	666.38	664.3	73.29	593.09
OMW-220	Bedrock	636.34	634.1	44.91	591.43
OMW-221*	Bedrock	592.25	591.1	Frozen	NA
OMW-222	Bedrock	599.65	597.7	31.54	568.11
OMW-223	Bedrock	595.21	593.1	11.61	583.60
OPZ-207	Bedrock	648.60	647.4	61.86	586.74
OPZ-217	Bedrock	665.63	663.8	22.08	643.55
EPA-1	Bedrock	669.59	667.4	84.65	584.94
EPA-2	Bedrock	620.99	618.6	16.29	604.70
EPA-3	Bedrock	688.39	685.5	104.71	583.68
EPA-4	Bedrock	690.39	688.2	101.29	589.10
EPA-5	Bedrock	628.51	625.3	6.91	621.60

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is provided in feet above measuring point.
3. "NA" designates not applicable.
4. Depth to water in OMW-204 is suspect due to an obstruction in the well (*i.e.*, suspected formation collapse).
5. OMW-219 is damaged (*i.e.*, broken riser pipe), however a water level was able to be obtained.
6. "*" indicates well is artesian.
7. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
February 5, 2016

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	59.89	579.70
OMW-102	Bedrock	639.14	636.5	59.88	579.26
OMW-103	Bedrock	643.76	642.3	8.51	635.25
OMW-107	Overburden	625.51	623.2	3.77	621.74
OMW-108	Bedrock	625.08	623.2	34.76	590.32
OMW-201	Bedrock	639.17	636.9	59.06	580.11
OMW-202	Bedrock	656.23	654.4	82.83	573.40
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.21	619.77
OMW-206	Bedrock	618.01	615.9	27.97	590.04
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	67.78	587.21
OMW-213	Bedrock	668.04	665.9	84.46	583.58
OMW-214	Bedrock	655.83	655.1	41.80	614.03
OMW-215	Bedrock	657.05	654.8	81.11	575.94
OMW-216	Bedrock	658.15	656.7	48.06	610.09
OMW-218	Bedrock	654.18	651.5	67.04	587.14
OMW-219	Bedrock	666.38	664.3	71.19	595.19
OMW-220	Bedrock	636.34	634.1	45.39	590.95
OMW-221*	Bedrock	592.25	591.1	7.08	599.33
OMW-222	Bedrock	599.65	597.7	27.34	572.31
OMW-223	Bedrock	595.21	593.1	11.64	583.57
OPZ-207	Bedrock	648.60	647.4	62.27	586.33
OPZ-217	Bedrock	665.63	663.8	20.91	644.72
EPA-1	Bedrock	669.59	667.4	84.85	584.74
EPA-2	Bedrock	620.99	618.6	16.35	604.64
EPA-3	Bedrock	688.39	685.5	105.09	583.30
EPA-4	Bedrock	690.39	688.2	101.44	588.95
EPA-5	Bedrock	628.51	625.3	6.93	621.58

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is provided in feet above measuring point.
3. "NA" designates not applicable.
4. Depth to water in OMW-204 is suspect due to an obstruction in the well (*i.e.*, suspected formation collapse).
5. OMW-219 is damaged (*i.e.*, broken riser pipe), however a water level was able to be obtained.
6. "*" indicates well is artesian.
7. EPA-1 through EPA-5 are deep, open bedrock boreholes.



Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
March 4, 2016

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	60.21	579.38
OMW-102	Bedrock	639.14	636.5	60.05	579.09
OMW-103	Bedrock	643.76	642.3	8.34	635.42
OMW-107	Overburden	625.51	623.2	3.52	621.99
OMW-108	Bedrock	625.08	623.2	35.14	589.94
OMW-201	Bedrock	639.17	636.9	59.31	579.86
OMW-202	Bedrock	656.23	654.4	87.03	569.20
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.16	619.82
OMW-206	Bedrock	618.01	615.9	28.22	589.79
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	68.15	586.84
OMW-213	Bedrock	668.04	665.9	Dry	NA
OMW-214	Bedrock	655.83	655.1	41.78	614.05
OMW-215	Bedrock	657.05	654.8	80.71	576.34
OMW-216	Bedrock	658.15	656.7	47.94	610.21
OMW-218	Bedrock	654.18	651.5	67.41	586.77
OMW-219	Bedrock	666.38	664.3	71.20	595.18
OMW-220	Bedrock	636.34	634.1	45.65	590.69
OMW-221*	Bedrock	592.25	591.1	6.92	599.17
OMW-222	Bedrock	599.65	597.7	27.65	572.00
OMW-223	Bedrock	595.21	593.1	11.95	583.26
OPZ-207	Bedrock	648.60	647.4	62.56	586.04
OPZ-217	Bedrock	665.63	663.8	20.07	645.56
EPA-1	Bedrock	669.59	667.4	85.15	584.44
EPA-2	Bedrock	620.99	618.6	16.14	604.85
EPA-3	Bedrock	688.39	685.5	105.67	582.72
EPA-4	Bedrock	690.39	688.2	101.79	588.60
EPA-5	Bedrock	628.51	625.3	6.49	622.02

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is reported in feet above measuring point.
3. "NA" designates not applicable.
4. Depth to water in OMW-204 is suspect due to an obstruction in the well (*i.e.*, suspected formation collapse).
5. OMW-219 is damaged (*i.e.*, broken riser pipe), however a water level was able to be obtained.
6. "*" indicates well is artesian.
7. EPA-1 through EPA-5 are deep, open bedrock boreholes.



Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
April 1, 2016

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	60.42	579.17
OMW-102	Bedrock	639.14	636.5	60.05	579.09
OMW-103	Bedrock	643.76	642.3	8.60	635.16
OMW-107	Overburden	625.51	623.2	4.07	621.44
OMW-108	Bedrock	625.08	623.2	35.32	589.76
OMW-201	Bedrock	639.17	636.9	59.31	579.86
OMW-202	Bedrock	656.23	654.4	87.85	568.38
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	30.97	620.01
OMW-206	Bedrock	618.01	615.9	28.36	589.65
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	68.32	586.67
OMW-213	Bedrock	668.04	665.9	Dry	NA
OMW-214	Bedrock	655.83	655.1	41.40	614.43
OMW-215	Bedrock	657.05	654.8	82.15	574.90
OMW-216	Bedrock	658.15	656.7	47.68	610.47
OMW-218	Bedrock	654.18	651.5	67.49	586.69
OMW-219	Bedrock	666.38	664.3	71.19	595.19
OMW-220	Bedrock	636.34	634.1	45.56	590.78
OMW-221*	Bedrock	592.25	591.1	7.25	599.50
OMW-222	Bedrock	599.65	597.7	27.40	572.25
OMW-223	Bedrock	595.21	593.1	11.92	583.29
OPZ-207	Bedrock	648.60	647.4	63.70	584.90
OPZ-217	Bedrock	665.63	663.8	17.65	647.98
EPA-1	Bedrock	669.59	667.4	85.14	584.45
EPA-2	Bedrock	620.99	618.6	16.27	604.72
EPA-3	Bedrock	688.39	685.5	105.90	582.49
EPA-4	Bedrock	690.39	688.2	101.67	588.72
EPA-5	Bedrock	628.51	625.3	6.90	621.61

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is reported in feet above measuring point.
3. "NA" designates not applicable.
4. Depth to water in OMW-204 is suspect due to an obstruction in the well (*i.e.*, suspected formation collapse).
5. OMW-219 is damaged (*i.e.*, broken riser pipe), however a water level was able to be obtained.
6. "*" indicates well is artesian.
7. EPA-1 through EPA-5 are deep, open bedrock boreholes.



Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
May 16, 2016

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	60.68	578.91
OMW-102	Bedrock	639.14	636.5	60.56	578.58
OMW-103	Bedrock	643.76	642.3	8.46	635.30
OMW-107	Overburden	625.51	623.2	3.99	621.52
OMW-108	Bedrock	625.08	623.2	35.88	589.20
OMW-201	Bedrock	639.17	636.9	59.60	579.57
OMW-202	Bedrock	656.23	654.4	88.21	568.02
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.05	619.93
OMW-206	Bedrock	618.01	615.9	28.72	589.29
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	68.82	586.17
OMW-213	Bedrock	668.04	665.9	Dry	NA
OMW-214	Bedrock	655.83	655.1	41.36	614.47
OMW-215	Bedrock	657.05	654.8	81.34	575.71
OMW-216	Bedrock	658.15	656.7	48.03	610.12
OMW-218	Bedrock	654.18	651.5	68.09	586.09
OMW-219	Bedrock	666.38	664.3	71.21	595.17
OMW-220	Bedrock	636.34	634.1	45.97	590.37
OMW-221*	Bedrock	592.25	591.1	7.92	600.17
OMW-222	Bedrock	599.65	597.7	25.13	574.52
OMW-223	Bedrock	595.21	593.1	12.34	582.87
OPZ-207	Bedrock	648.60	647.4	63.01	585.59
OPZ-217	Bedrock	665.63	663.8	16.11	649.52
EPA-1	Bedrock	669.59	667.4	85.75	583.84
EPA-2	Bedrock	620.99	618.6	16.43	604.56
EPA-3	Bedrock	688.39	685.5	106.76	581.63
EPA-4	Bedrock	690.39	688.2	102.29	588.10
EPA-5	Bedrock	628.51	625.3	7.04	621.47

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is reported in feet above measuring point.
3. "NA" designates not applicable.
4. Depth to water in OMW-204 is suspect due to an obstruction in the well (*i.e.*, suspected formation collapse).
5. OMW-219 is damaged (*i.e.*, broken riser pipe), however a water level was able to be obtained.
6. "*" indicates well is artesian.
7. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
June 3, 2016

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-101	Overburden	639.59	638.0	61.11	578.48
OMW-102	Bedrock	639.14	636.5	60.21	578.93
OMW-103	Bedrock	643.76	642.3	9.25	634.51
OMW-107	Overburden	625.51	623.2	4.47	621.04
OMW-108	Bedrock	625.08	623.2	35.87	589.21
OMW-201	Bedrock	639.17	636.9	59.38	579.79
OMW-202	Bedrock	656.23	654.4	87.79	568.44
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	30.83	620.15
OMW-206	Bedrock	618.01	615.9	28.94	589.07
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	69.05	585.94
OMW-213	Bedrock	668.04	665.9	Dry	NA
OMW-214	Bedrock	655.83	655.1	41.28	614.55
OMW-215	Bedrock	657.05	654.8	82.52	574.53
OMW-216	Bedrock	658.15	656.7	47.44	610.71
OMW-218	Bedrock	654.18	651.5	68.31	585.87
OMW-219	Bedrock	666.38	664.3	71.23	595.15
OMW-220	Bedrock	636.34	634.1	46.21	590.13
OMW-221*	Bedrock	592.25	591.1	7.00	599.25
OMW-222	Bedrock	599.65	597.7	27.17	572.48
OMW-223	Bedrock	595.21	593.1	12.69	582.52
OPZ-207	Bedrock	648.60	647.4	63.10	585.50
OPZ-217	Bedrock	665.63	663.8	16.47	649.16
EPA-1	Bedrock	669.59	667.4	85.84	583.75
EPA-2	Bedrock	620.99	618.6	16.30	604.69
EPA-3	Bedrock	688.39	685.5	107.00	581.39
EPA-4	Bedrock	690.39	688.2	102.66	587.73
EPA-5	Bedrock	628.51	625.3	7.22	621.29

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point, except for OMW-221 which is reported in feet above measuring point.
3. "NA" designates not applicable.
4. Depth to water in OMW-204 is suspect due to an obstruction in the well (*i.e.*, suspected formation collapse).
5. OMW-219 is damaged (*i.e.*, broken riser pipe), however a water level was able to be obtained.
6. "*" indicates well is artesian.
7. EPA-1 through EPA-5 are deep, open bedrock boreholes.



Historical Groundwater Data

Summary Table Notes

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-101

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-101

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-101

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2016	5/17/2016	5/17/2016	10/26/2015	5/13/2015	5/13/2015	12/4/2014	6/6/2014	12/6/2013	5/7/2013	10/23/2012
1,1,2,2-Tetrachloroethane	1.0 U	1 U	1 U	0.5 U	10 U	10 U	1.00 U	1.00 U	1.00 U	5 U	5 U
1,1-Dichloroethane	1.0 U	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	0.992 J	5 U	5 U
1,2-Dichloroethane	1.0 U	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U
1,4-Dioxane	73	6.7	---	1.6	4.0	---	89	38	360	---	---
4-Methyl-2-Pentanone	1.0 U	1 U	1 U	3 U	1 U	1 U	5.00 U	5.00 U	1.00 U	5 U	5 U
Acetone	5.0 U	1 J	1 J	6 U	6	6	10.0 U	10.0 U	5.00 U	5 U	5 U
Benzene	981	260	230	83	200	200	1490 J	569	4850	24.1	2.95 J
Chlorobenzene	18.0	4	4	2	4	4	25.0 J	10.5	92.2	5 U	5 U
Chloroethane	1.0 U	1 U	1 U	0.5 U	1 U	1 U	0.921 J	1.00 U	3.27	5 U	5 U
Chloroform	1.0 U	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U
Ethylbenzene	1.0 U	1 U	1 U	0.5 U	1 U	1 U	1.07 J	1.00 U	3.52	5 U	5 U
m,p-Xylenes	2.0 U	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	---
Methylene chloride	1.0 U	1 U	1 U	2 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U
o-Xylene	1.0 U	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U
Toluene	1.0 U	1 U	1 U	0.5 U	1 U	1 U	1.00 U	1.00 U	1.53	5 U	5 U
2,4-Dimethylphenol	---	---	---	0.5 U	---	---	---	---	10.0 U	---	---
2-Methylphenol	---	---	---	0.5 U	---	---	---	---	10.0 U	---	---
4-Methylphenol	---	---	---	0.5 U	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	10.0 U	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	10.0 U	---	---
Phenol	---	---	---	0.5 U	---	---	---	---	10.0 U	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/21/2012	10/18/2011	5/23/2011	10/13/2010	5/19/2010	12/15/2009	10/14/2008	10/25/2007	11/15/2006	10/18/2005	5/23/2005
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	1.65 J
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U
Acetone	5 U	5 U	5 U	1.28 J	5 U	25 U	5 U	5 U	25 U	17.8 B	18.2 B
Benzene	48.5	98.7	226	3.31 J	54.8	3150	18.2	119	936	1750	3240
Chlorobenzene	1.67 J	2.04 J	7.06	5 U	1.9 J	41.2	5 U	4.34 J	24.8 J	60.4	86.6
Chloroethane	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	3.03 J	2.32 J
Chloroform	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	2.84 J	5.03
m,p-Xylenes	5 U	---	---	---	---	---	5 U	---	---	5 U	5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U
o-Xylene	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	25 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	25 U	5 U	5 U	5.45 J	2.27 J	2.71 J
2,4-Dimethylphenol	---	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---
2-Methylphenol	---	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---
4-Methylphenol	---	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---
bis(2-Ethylhexyl)Phthalate	---	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---
Nitrobenzene	---	9.26 U	---	---	---	---	9.43 U	---	---	9.43 U	---
Phenol	---	9.26 U	---	---	---	---	9.43 U	---	---	21.2	---
Aroclor-1016	---	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1221	---	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1232	---	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1242	---	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1248	---	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1254	---	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---
Aroclor-1260	---	0.05 U	---	---	---	---	0.05 U	---	---	0.05 U	---

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2004	10/20/2004	5/18/2004	10/22/2003	5/20/2003	10/2/2002	5/14/2002	10/18/2001	5/9/2001	11/17/2000	5/18/2000	11/4/1999
1,1,2,2-Tetrachloroethane	5 U	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5 U	5 U	1 U	1.66 J	25 U	3 J	5 U	4 J	5 J	10	5 U	4 J
1,2-Dichloroethane	5 U	5 U	1 U	5 U	25 U	5 U	5 U	5 U	10	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	5 U	5 U	1 U	5 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	12
Acetone	2.24 JB	5 U	7.01 B	5 U	25 U	10 U	12	10 U	10 U	10 U	10 U	70
Benzene	97.5	87.4	213	3460	4070	4900	6600	8600	8000	8300	5800	3800
Chlorobenzene	3.72 J	3.17 J	10.2	98	96.8	110	120	160	160	150	160 J	77
Chloroethane	5 U	5 U	1 U	3.56 J	25 U	6 J	10 U	10 U	10 U	10 U	10 U	2 J
Chloroform	5 U	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J
Ethylbenzene	5 U	5 U	1 U	4.34 J	25 U	5 U	5 U	8	7	6	5 U	5 U
m,p-Xylenes	5 U	5 U	1 U	5 U	25 U	3 J	4 J	1 J	1 J	5 U	5 U	5 U
Methylene chloride	5 U	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	150 BJ	5 U
o-Xylene	5 U	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	2.01	2.15 J	25 U	3 J	2 J	4 J	4 J	8	5 U	3 J
2,4-Dimethylphenol	18.5 U	---	---	9.26 U	---	5 U	---	10 U	---	10 U	---	6 J
2-Methylphenol	18.5 U	---	---	9.26 U	---	5 U	---	10 U	---	10 U	---	2 J
4-Methylphenol	18.5 U	---	---	43.6	---	5 U	---	10 U	---	10 U	---	5 J
bis(2-Ethylhexyl)Phthalate	150	---	---	9.26 U	---	0.7 J	---	17	---	10 U	---	10 U
Nitrobenzene	18.5 U	---	---	2.15 J	---	5 U	---	10 U	---	10 U	---	10 U
Phenol	18.5 U	---	---	7.45 J	---	1 J	---	3 J	---	8 J	---	11
Aroclor-1016	0.05 U	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U
Aroclor-1221	0.05 U	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U
Aroclor-1232	0.05 U	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U
Aroclor-1242	0.05 U	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U
Aroclor-1248	0.05 U	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U
Aroclor-1254	0.05 U	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U
Aroclor-1260	0.05 U	---	---	0.05 U	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/4/1999	5/4/1999	5/4/1999	10/24/1998	10/24/1998	9/12/1995	4/20/1994	12/29/1993	8/18/1993	8/18/1993	5/12/1993	2/11/1993
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	200 UJ-C	100 UJ-C	130 UJ	430	120 U	84 U	---
1,1-Dichloroethane	4 J	5 U	5 U	10	10	200 U	100 U	130 UJ	250 U	120 U	84 U	---
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	200 U	100 U	130 UJ	250 U	120 U	84 U	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	15	10 U	10 U	12	15	---	---	---	---	---	---	---
Acetone	130	10 U	10 U	10 U	10 U	---	---	---	---	---	---	---
Benzene	3600	480	430	9900	8900	7500 J-C	6100	8900 J	10000	9100	5300	---
Chlorobenzene	78	23	25	320	250 J	460	210	300 J	570	250	150	---
Chloroethane	10 U	10 U	10 U	10 U	10 U	200 U	100 U	130 UJ	250 U	120 U	84 U	---
Chloroform	5 U	2 BJ	2 BJ	1 J	5 U	200 U	100 U	250 J	250 U	120 U	84 U	---
Ethylbenzene	5 U	5 U	5 U	13	15	200 UJ-C	100 U	130 UJ	2300	120 U	84 U	---
m,p-Xylenes	3 J	5 U	5 U	7	9	200 UJ-C	200 U	260 UJ	500 U	250 U	84 U	---
Methylene chloride	5 U	4 J	4 J	5 U	5 U	200 UJ-C	100 U	130 UJ	250 U	120 U	84 U	---
o-Xylene	5 U	5 U	5 U	4 J	3 J	---	---	---	---	---	---	---
Toluene	3 J	4 J	4 J	57	55	560 J-C	1100	1700 J	250 U	1900	830	---
2,4-Dimethylphenol	---	---	---	10 U	10 U	11 R-S	8	12	---	---	U	4.9 J
2-Methylphenol	---	---	---	10 U	10 U	11 R-S	25	31	---	---	U	19
4-Methylphenol	---	---	---	10 U	10 U	11 R-S	72	120	---	---	U	63 J
bis(2-Ethylhexyl)Phthalate	---	---	---	9 BJ	5 BJ	11 U	---	---	---	---	---	---
Nitrobenzene	---	---	---	10 U	10 U	11 U	---	---	---	---	---	---
Phenol	---	---	---	10 U	10 U	11 R-S	7	8 J	C	C	C	7.1
Aroclor-1016	---	---	---	0.5 U	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---
Aroclor-1221	---	---	---	0.5 U	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---
Aroclor-1232	---	---	---	0.5 U	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---
Aroclor-1242	---	---	---	0.5 U	0.5 U	0.022 UJ-C	---	0.09 U	0.09 U	0.09 U	0.09 U	---
Aroclor-1248	---	---	---	0.5 U	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---
Aroclor-1254	---	---	---	1 U	1 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---
Aroclor-1260	---	---	---	1 U	1 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	2/11/1993	10/6/1992
1,1,2,2-Tetrachloroethane	250 UJ	120 U
1,1-Dichloroethane	250 UJ	120 U
1,2-Dichloroethane	250 UJ	120 U
1,4-Dioxane	---	---
4-Methyl-2-Pentanone	---	---
Acetone	---	---
Benzene	6200 J	7200
Chlorobenzene	250 UJ	160 J
Chloroethane	250 UJ	120 U
Chloroform	250 UJ	120 U
Ethylbenzene	250 UJ	120 U
m,p-Xylenes	500 UJ	250 U
Methylene chloride	250 UJ	120 U
o-Xylene	---	---
Toluene	1300 J	1200
2,4-Dimethylphenol	5 J	1 U
2-Methylphenol	18 J	5.5
4-Methylphenol	63 J	24
bis(2-Ethylhexyl)Phthalate	---	---
Nitrobenzene	---	---
Phenol	10 J	1 U
Aroclor-1016	0.09 U	0.1 U
Aroclor-1221	0.09 U	0.1 U
Aroclor-1232	0.09 U	0.1 U
Aroclor-1242	0.09 U	0.1 U
Aroclor-1248	0.09 U	0.1 U
Aroclor-1254	0.09 U	0.1 U
Aroclor-1260	0.09 U	0.1 U

Historical Detected Concentrations in OMW-103

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/19/2016	10/23/2015	12/4/2014	12/4/2013	10/22/2012	10/17/2011	10/13/2010	10/20/2009	10/14/2008	10/24/2007	11/13/2006
1,4-Dioxane	---	---	---	0.20 U	---	---	---	---	---	---	---
Benzene	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	7.6	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-103

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/17/2005	10/19/2004	10/21/2003	9/30/2002	10/16/2001	11/15/2000	11/3/1999	10/22/1998	1/23/1997	12/28/1996	9/13/1995
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	0.5 U	0.5 U
Ethene	---	---	---	---	---	---	---	---	9	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 B	---	0.5 U	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	1.9	0.5 U
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	2 J
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	1 J
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	0.022 UJ-C
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	0.022 U

Historical Detected Concentrations in OMW-103

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	4/19/1994	12/29/1993	8/18/1993	5/12/1993	2/11/1993	10/6/1992
1,4-Dioxane	---	---	---	---	---	---
Benzene	1 U	0.6 J	0.5 U	0.5 U	0.5 UJ	0.5 U
Ethene	---	---	---	---	---	---
Methylene chloride	1 U	0.8 J	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	1 U	1.2 J	0.5 U	0.5 U	0.5 UJ	0.5 U
Benzoic Acid	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---
Aroclor-1016	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1221	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1232	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1242	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1248	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1254	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1260	---	0.09 U	0.09 U	0.09 U	0.09 U	0.09 U

Historical Detected Concentrations in OMW-107

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2015	12/4/2013	10/23/2012	10/18/2011	10/12/2010	10/21/2009	10/14/2008	10/24/2007	11/14/2006	10/17/2005	10/19/2004
1,1-Dichloroethane	0.5 U	0.530 J	5 U	5 U	0.5 U	5 U	1.03 J	5 U	5 U	5 U	5 U
1,4-Dioxane	0.92	2.2	---	---	---	---	---	---	---	---	---
Benzene	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	0.6 J	1.39	5 U	5 U	1.09	1.36 J	2.71 J	1.17 J	5 U	5 U	5 U
Chloroethane	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	2 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-107

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2003	9/30/2002	10/15/2001	11/14/2000	11/2/1999	10/21/1998	1/16/1997	12/24/1996	9/13/1995	4/19/1994	12/29/1993
1,1-Dichloroethane	5 U	5 U	3 J	5 U	5 U	5 U	---	0.5 U	3.5 J-S	3.6 J-HS	3 J
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	---	0.5 U	2.6 J-S	1 U	0.5 UJ
Chlorobenzene	4.67 J	5 U	11	5 U	4 J	6	---	0.5 U	9 J-CS	1 U	0.5 UJ
Chloroethane	5 U	10 U	10 U	10 U	10 U	10 U	---	0.5 U	1.3 J-CS	1.3 J-HS	1.1 J
Ethene	---	---	---	---	---	---	6	---	---	---	---
Methane	---	---	---	---	---	---	46	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	---	0.5 U	0.5 UJ-S	1 U	0.8 J
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	1 J	---	---
Phenol	---	---	---	---	---	---	---	10 U	12 R-S	5 U	8 J
Aroclor-1016	---	---	---	---	---	---	---	---	0.022 U	---	0.09 U
Aroclor-1221	---	---	---	---	---	---	---	---	0.022 U	---	0.09 U
Aroclor-1232	---	---	---	---	---	---	---	---	0.022 U	---	0.09 U
Aroclor-1242	---	---	---	---	---	---	---	---	0.022 UJ-C	---	0.09 U
Aroclor-1248	---	---	---	---	---	---	---	---	0.022 U	---	0.09 U
Aroclor-1254	---	---	---	---	---	---	---	---	0.022 U	---	0.09 U
Aroclor-1260	---	---	---	---	---	---	---	---	0.022 U	---	0.09 U

Historical Detected Concentrations in OMW-107

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	8/18/1993	5/12/1993	2/11/1993	10/6/1992
1,1-Dichloroethane	6	3.1	6.2 UJ	9.7
1,4-Dioxane	---	---	---	---
Benzene	0.5 U	0.5 U	260 J	33
Chlorobenzene	0.5 U	0.5 U	35 J	10 J
Chloroethane	2.3	1.4	6.2 UJ	4
Ethene	---	---	---	---
Methane	---	---	---	---
Methylene chloride	0.5 U	0.5 U	6.2 UJ	0.5 U
di-n-Butyl Phthalate	---	---	---	---
Phenol	C	C	R	1 R
Aroclor-1016	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1221	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1232	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1242	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1248	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1254	0.09 U	0.09 U	0.09 U	0.09 U
Aroclor-1260	0.09 U	0.09 U	0.09 U	0.09 U

Historical Detected Concentrations in OMW-108

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2015	12/4/2013	10/22/2012	10/17/2011	10/12/2010	10/20/2009	10/14/2008	10/24/2007	11/14/2006	10/17/2005	10/18/2004
1,1-Dichloroethane	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	0.10 J	0.22	---	---	---	---	---	---	---	---	---
Benzene	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	1.2 J	5 U	5 U	5 U
Methylene chloride	2 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5 U	1.00 U	5 U	5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-108

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2003	10/1/2002	10/16/2001	11/14/2000	11/2/1999	10/21/1998	12/29/1996	9/13/1995	4/19/1994	12/29/1993	8/18/1993
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	1 U	0.7 J	0.5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	1.5	1 U	0.5 UJ	0.5 U
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	1 U	0.5 UJ	0.5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	1 U	1.1 J	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	0.56	0.5 U	1 U	0.5 UJ	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	0.022 U	---	0.09 U	0.09 U
Aroclor-1221	---	---	---	---	---	---	---	0.022 U	---	0.09 U	0.09 U
Aroclor-1232	---	---	---	---	---	---	---	0.022 U	---	0.09 U	0.09 U
Aroclor-1242	---	---	---	---	---	---	---	0.022 UJ-C	---	0.09 U	0.09 U
Aroclor-1248	---	---	---	---	---	---	---	0.022 U	---	0.09 U	0.09 U
Aroclor-1254	---	---	---	---	---	---	---	0.022 U	---	0.09 U	0.09 U
Aroclor-1260	---	---	---	---	---	---	---	0.022 U	---	0.09 U	0.09 U

Historical Detected Concentrations in OMW-108

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2016	5/17/2016	5/17/2016	10/26/2015	10/26/2015	5/13/2015	12/4/2014	6/6/2014	12/6/2013	10/25/2012	5/22/2012
1,1-Dichloroethane	1.0 UJ	20 U	---	5 U	---	1	100 U	1.00 U	1.00 UJ	5000 U	5 U
1,2-Dichloroethane	1.0 UJ	20 U	---	5 U	---	1 U	100 U	1.00 U	0.901 J	5000 U	5 U
1,4-Dichlorobenzene	3.8 J	20 U	---	10 U	---	1 U	100 U	1.12 J	1.62 J	---	---
1,4-Dioxane	1500	2200	1800	520	---	15	1500	1500	1400	---	---
2-Butanone	1.0 UJ	20 U	---	30 U	---	1 U	500 U	5.00 U	1.00 UJ	5000 U	5 U
2-Hexanone	1.0 UJ	100 U	---	30 U	---	5 U	500 U	1.59 J	1.00 UJ	5000 U	5 U
4-Methyl-2-Pentanone	8.3 J	20 U	---	30 U	---	10	500 U	6.67 J	18.5 J	5000 U	5 U
Acetone	51.9 J	100 U	---	60 U	---	8	1000 U	66.2 J	22.0 J	5000 U	5 U
Benzene	21000	26000	---	14000	---	27000	22500	20400	19200	96400	5 U
Chlorobenzene	2250	2500	---	1200	---	2300	2320	1770	1410	8830	5 U
Chloroethane	42.3 J	26	---	13	---	33	54.6 J	16.9 J	28.4 J	5000 U	5 U
Chloroform	1.0 UJ	20 U	---	5 U	---	1 U	100 U	1.00 U	1.00 UJ	5000 U	5 U
cis-1,2-Dichloroethene	1.0 UJ	20 U	---	5 U	---	1 U	100 U	1.00 U	0.797 J	5000 U	5 U
Cyclohexane	1.0 UJ	20 U	---	20 U	---	1 UJ	100 U	1.85 J	2.75 J	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	500 U	160	---	57	---	120	148	84.4	102 J	5000 U	5 U
Isopropylbenzene	1.5 J	20 U	---	10 U	---	1 U	100 U	0.595 J	0.757 J	---	---
m,p-Xylenes	1000 U	310	---	74	---	190	198	165 J	173 J	---	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	1.0 UJ	20 U	---	10 U	---	1 U	100 U	28.8 J	1.00 UJ	---	---
Methylene chloride	1.0 UJ	20 U	---	20 U	---	1 U	100 U	1.00 U	1.00 UJ	5000 U	5 U
Methyl tert-Butyl ether	1.0 UJ	20 U	---	5 U	---	1 U	100 U	0.501 J	0.597 J	---	---
o-Xylene	51.8 J	55	---	14	---	21	100 U	34.7 J	38.7 J	5000 U	5 U
Toluene	15.6 J	1700	---	120	---	500	107	84.2 J	528	20000	5 U
trans-1,2-Dichloroethylene	4.8 J	20 U	---	5 U	---	3	100 U	2.47 J	2.24 J	5000 U	5 U
Vinyl chloride	1.0 UJ	20 U	---	5 U	---	2	100 U	1.00 U	1.91	5000 U	5 U
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	1.62 J	---	---
2,4-Dimethylphenol	---	---	---	32 J	22 J	---	---	---	109	---	---
2-Chlorophenol	---	---	---	5 J	3 J	---	---	---	10.0 U	---	---
2-Methylphenol	---	---	---	6 J	4 J	---	---	---	46.1	---	---
4-Chloro-3-Methylphenol	---	---	---	0.5 UJ	0.5 UJ	---	---	---	10.0 UJ	---	---
4-Methylphenol	---	---	---	5 J	3 J	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	10.0 U	---	---
Naphthalene	---	---	---	---	---	---	---	---	5.00 U	---	---
Nitrobenzene	---	---	---	---	---	---	---	---	10.0 U	---	---
Phenol	---	---	---	3 J	2 J	---	---	---	36.2	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2011	5/24/2011	10/13/2010	5/19/2010	10/22/2009	10/15/2008	10/25/2007	11/15/2006	10/19/2005	10/19/2005	5/24/2005
1,1-Dichloroethane	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
1,2-Dichloroethane	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	6.23 J
1,4-Dichlorobenzene	9.26 U	3.83 J	---	---	---	9.26 U	---	---	---	22.5 U	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	17.5 J
2-Hexanone	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
4-Methyl-2-Pentanone	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	66.1	62.6	73.5
Acetone	5000 U	248 J	142	1000 U	2500 U	2500 U	100 U	100 U	120	118	191 B
Benzene	39500	43800	12900	15700	11700	19400	13700	20300	17200	13800	16300
Chlorobenzene	3300 J	4550	1130	1220	1180 J	1680 J	1150	1490	1210	1240	1350
Chloroethane	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	22 J	100 U	41	35.5	30.3
Chloroform	5000 U	1000 U	111	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
cis-1,2-Dichloroethene	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	9.71 J	9.59 J	21.6 J
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	5000 U	333 J	100 U	1000 U	2500 U	2500 U	89 J	125	93	90	104
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	---	---	---	---	---	2500 U	---	---	216	214	247
Methane	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	74.1 J	92.3 J	82.8	82.5	97
Toluene	5000 U	1000 U	684	1410	2440 J	1510 J	1630	1920	3340	2640	4260
trans-1,2-Dichloroethylene	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
Vinyl chloride	5000 U	1000 U	100 U	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U
1,4-Dichlorobenzene	9.26 U	3.83 J	---	---	---	9.26 U	---	---	20.2 U	22.5 U	---
2,4-Dimethylphenol	165	152	---	---	---	202	---	---	202	203	---
2-Chlorophenol	9.52	3.64 J	---	---	---	5.7 J	---	---	8.89 J	7.9 J	---
2-Methylphenol	98	2.68 J	---	---	---	130	---	---	206	184	---
4-Chloro-3-Methylphenol	9.26 U	9.43 U	---	---	---	9.36	---	---	20.2 U	22.5 U	---
4-Methylphenol	364	9.02 J	---	---	---	891	---	---	935	1080	---
bis(2-Ethylhexyl)Phthalate	9.26 U	9.43 U	---	---	---	9.26 U	---	---	20.2 U	22.5 U	---
Naphthalene	8.66	4.72 U	---	---	---	9.26 U	---	---	20.2 U	22.5 U	---
Nitrobenzene	9.26 U	9.43 U	---	---	---	9.26 U	---	---	62.1	62.3	---
Phenol	104	128	---	---	---	61.6	---	---	168	180	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/24/2005	10/20/2004	5/18/2004	5/18/2004	10/23/2003	5/21/2003	5/21/2003	10/3/2002	5/15/2002	5/15/2002	10/19/2001	5/9/2001
1,1-Dichloroethane	25 U	5.53 J	8.97	9.84	50 U	500 U	500 U	8	13	12	17	250 U
1,2-Dichloroethane	6.14 J	7.63 J	7.21	7.61	50 U	500 U	500 U	5 U	5 U	5 U	5 U	250 U
1,4-Dichlorobenzene	---	19.2	---	---	9.26	---	---	100 U	---	---	250 U	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	17.4 J	25 U	21.1	5 U	50 U	500 U	500 U	13	46	40	37	500 U
2-Hexanone	25 U	25 U	5 U	8.91	50 U	500 U	500 U	10 U	10 U	10 U	10 U	500 U
4-Methyl-2-Pentanone	71.5	106	118	136	50 U	500 U	500 U	170	350	350	670	640
Acetone	191 B	117 B	201 B	209 B	117	500 U	500 U	370	270	280	680	500 U
Benzene	18900	19800	16700	16500	28800 E	28900	26900	28000	35000	31000	59000	54000
Chlorobenzene	1310	1220	1040	1240	1560	1750	1530	1800	1800	1800	3800	3800
Chloroethane	27.6	32.7	26.1	24.6	22.3 J	500 U	500 U	41	30	10 U	99	500 U
Chloroform	25 U	25 U	5 U	5 U	50 U	500 U	500 U	5 U	5 U	5 U	5 U	140 J
cis-1,2-Dichloroethene	20.1 J	33.1	37.8	39.4	13.1 J	500 U	500 U	5 U	5 U	5 U	5 U	250 U
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	103	94.8	77.3	86.6	122	500 U	500 U	160	170	170	170	320
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	224	245	204	237	316	500 U	500 U	430	490	460	1100	1000
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	7.38 J	10.2 J	26.9	16.5	50 U	500 U	500 U	5 U	5 U	5 U	5 U	260 B
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	92.3	98.6	89.9	97.7	126	500 U	500 U	160	180	190	390	330
Toluene	4830	5000	7840	7480	11400 E	15000	14100	15000	22000	20000	34000	30000
trans-1,2-Dichloroethylene	25 U	25 U	5 U	5 U	50 U	500 U	500 U	5 U	5 U	5 U	5 U	250 U
Vinyl chloride	25 U	25 U	5 U	5 U	50 U	500 U	500 U	10 U	10 U	10 U	10 U	500 U
1,4-Dichlorobenzene	---	19.2 U	---	---	9.26 U	---	---	100 U	---	---	250 U	---
2,4-Dimethylphenol	---	19.2 U	---	---	9.26 U	---	---	100 U	---	---	130 J	---
2-Chlorophenol	---	19.2 U	---	---	6.68 J	---	---	100 U	---	---	250 U	---
2-Methylphenol	---	164	---	---	73	---	---	62 J	---	---	95 J	---
4-Chloro-3-Methylphenol	---	19.2 U	---	---	9.26 U	---	---	100 U	---	---	250 U	---
4-Methylphenol	---	1380	---	---	1240	---	---	1400	---	---	1700	---
bis(2-Ethylhexyl)Phthalate	---	103	---	---	53.5	---	---	100 U	---	---	250 U	---
Naphthalene	---	19.2 U	---	---	9.26 U	---	---	100 U	---	---	250 U	---
Nitrobenzene	---	58.3	---	---	9.26 U	---	---	100 U	---	---	250 U	---
Phenol	---	161	---	---	123	---	---	100 U	---	---	250 U	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/17/2000	11/17/2000	5/22/2000	11/4/1999	5/4/1999	11/17/1998	11/17/1998	10/24/1998	1/22/1997	12/29/1996	9/12/1995
1,1-Dichloroethane	74	97	70	86	130	5 U	5 U	140	---	150 U	800 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	150 U	800 U
1,4-Dichlorobenzene	---	250 U	---	10 U	---	10 U	10 U	10 U	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	10 U	10 U	51	62	110	10 U	10 U	170	---	---	---
2-Hexanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---	---
4-Methyl-2-Pentanone	610	610	430 J	360	320	10 U	10 U	920	---	---	---
Acetone	10 U	10 U	780	790	1900	10 U	10 U	710	---	---	---
Benzene	74000	68000	57000	50000	45000	59000	67000	47000	---	43000 D	30000 J-C
Chlorobenzene	4800	4400	4200	3300	3500	4800	5500	3100	---	3000	2700
Chloroethane	140	140	76	45	60	10 U	10 U	62	---	150 U	800 U
Chloroform	5 U	5 U	5 U	5 U	2 BJ	5 U	5 U	5 U	---	150 U	800 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	19	---	150 U	800 U
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	510 J	---	---
Ethene	---	---	---	---	---	---	---	---	3800	---	---
Ethylbenzene	390	390	440	5 U	230	5 U	5 U	230	---	280	800 UJ-C
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	1200	1200	990	780	660	1100 J	1200 J	820	---	810	800 UJ-C
Methane	---	---	---	---	---	---	---	---	3300	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	8 B	5 U	11	6600 B	6600 B	5 U	---	150 U	800 UJ-C
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	420	280	340	330	240	5 U	5 U	410	---	260	---
Toluene	47000	41000	36000	33000	29000	39000	44000	30000	---	30000 D	20000 J-C
trans-1,2-Dichloroethylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	---	800 UJ-C
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---	800 UJ-C
1,4-Dichlorobenzene	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	150 U	800 U
2,4-Dimethylphenol	88 J	110 J	---	10 U	---	77 J	83 J	35 J	---	220 J	64 J
2-Chlorophenol	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	330 U	400 U
2-Methylphenol	89 J	10 U	---	68 J	---	110 J	93 J	44 J	---	160 J	120 J
4-Chloro-3-Methylphenol	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	---	400 U
4-Methylphenol	1800	1100	---	920	---	2000	1800	640	---	2300	2000
bis(2-Ethylhexyl)Phthalate	250 U	250 U	---	10 U	---	10 U	10 U	8 BJ	---	---	400 U
Naphthalene	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	---	400 U
Nitrobenzene	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	---	400 U
Phenol	250 U	250 U	---	10 U	---	10 U	10 U	10 U	---	26 J	400 U

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	4/20/1994	12/30/1993	12/30/1993
1,1-Dichloroethane	250 U	500 U	500 U
1,2-Dichloroethane	250 U	500 U	500 U
1,4-Dichlorobenzene	---	---	---
1,4-Dioxane	---	---	---
2-Butanone	---	---	---
2-Hexanone	---	---	---
4-Methyl-2-Pentanone	---	---	---
Acetone	---	---	---
Benzene	31000	27000	27000 J
Chlorobenzene	2200	1900	1900
Chloroethane	250 U	500 U	500 U
Chloroform	250 U	500 U	500 U
cis-1,2-Dichloroethene	250 U	500 U	500 U
Cyclohexane	---	---	---
Ethane	---	---	---
Ethene	---	---	---
Ethylbenzene	250 U	500 U	500 U
Isopropylbenzene	---	---	---
m,p-Xylenes	550	1100 J	1100 J
Methane	---	---	---
Methyl Acetate	---	---	---
Methylene chloride	250 U	500 U	500 U
Methyl tert-Butyl ether	---	---	---
o-Xylene	---	---	---
Toluene	21000	17000	17000
trans-1,2-Dichloroethylene	250 U	500 U	500 U
Vinyl chloride	250 U	500 U	500 U
1,4-Dichlorobenzene	250 U	500 U	500 U
2,4-Dimethylphenol	140	110	110
2-Chlorophenol	5 U	62 U	71 U
2-Methylphenol	160	150	150
4-Chloro-3-Methylphenol	5 U	62 U	71 U
4-Methylphenol	1700 D	1800	1800
bis(2-Ethylhexyl)Phthalate	---	---	---
Naphthalene	---	---	---
Nitrobenzene	---	---	---
Phenol	39	18 J	22 J

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-202

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/19/2016	10/21/2015	10/21/2015	12/2/2014	12/6/2013	10/22/2012	10/17/2011	10/13/2010	10/20/2009	10/14/2008	10/24/2007
1,4-Dioxane	---	---	---	---	0.060 J	---	---	---	---	---	---
Acetone	5.0 U	6 U	6 U	10.0 U	5.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	9.6	2	2	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U	1.13 J	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	1.0 U	2 U	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	1.0 U	0.5 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-202

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/14/2006	10/18/2005	5/23/2005	10/18/2004	5/17/2004	10/21/2003	5/19/2003	10/1/2002	5/14/2002	10/17/2001	5/8/2001
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	1.03 JB	1.47 JB	5 U	1 U	5 U	5 U	10 U	10 U	10 U	29
Benzene	5 U	5 U	5 U	5 U	1.02	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	1 U	5 U	5 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	2 BJ
Toluene	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-202

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/17/2000	5/17/2000	11/3/1999	5/3/1999	10/23/1998	12/28/1996	9/13/1995	4/20/1994	12/30/1993
1,4-Dioxane	---	---	---	---	---	---	---	---	---
Acetone	74	10 U	140	10 U	10 U	---	---	---	---
Benzene	5 U	5 U	5 U	6	5 U	6.5	18 J-C	13	11 J
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	0.5 U	1.8 J-C	1.2	0.7
Chloroform	5 U	5 U	5 U	2 BJ	3 J	0.5 U	1.3	1 U	0.5 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	0.5 U	0.5 U	1 U	0.5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	1 J	5 U	0.5	2.4 J-C	2	1.1
Methylene chloride	5 U	3 BJ	5 B	4 BJ	5 U	0.5 U	0.5 U	1 U	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	1.1	0.5 UJ-C	1 U	1
Trichloroethene	5 U	5 U	5 U	2 J	2 J	0.9	5.8 J-C	3.2	1.7
Aroclor-1016	---	---	---	---	---	---	0.022 U	0.023 U	0.09 U
Aroclor-1221	---	---	---	---	---	---	0.022 U	0.023 U	0.09 U
Aroclor-1232	---	---	---	---	---	---	0.022 U	0.023 U	0.09 U
Aroclor-1242	---	---	---	---	---	---	0.022 UJ-C	0.023 U	0.09 U
Aroclor-1248	---	---	---	---	---	---	0.022 U	0.023 U	0.09 U
Aroclor-1254	---	---	---	---	---	---	0.022 U	0.023 U	0.09 U
Aroclor-1260	---	---	---	---	---	---	0.022 U	0.023 U	0.09 U

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-204

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/19/2016	10/19/2016	5/17/2016	10/21/2015	10/21/2015	5/12/2015	12/3/2014	12/3/2014	6/6/2014	6/6/2014	12/5/2013
1,1-Dichloroethane	1.0 U	---	1 U	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U
1,2-Dichloroethane	1.0 U	---	1 U	0.5 J	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U
1,3-Dichlorobenzene	1.0 U	---	1 U	1 U	1 U	1 U	0.597 J	---	1.00 U	---	1.00 U
1,4-Dichlorobenzene	1.4	---	1	2 J	1 J	1 U	1.44	---	1.11	---	1.72
1,4-Dioxane	12	11	16	6.6	---	10	14	14	17	17	16
Acetone	5.1 U	---	5 U	6 U	6 U	5 U	10.0 U	---	10.0 UJ	---	5.00 U
Benzene	2.6	---	2	3	1	1	2.39	---	2.25	---	6.36
Chlorobenzene	125	---	120	120 J	65 J	53	152	---	67.6	---	141
Chloroethane	1.0 U	---	1 U	0.5 U	0.5 U	1 U	0.960 J	---	1.00 UJ	---	1.37
Chloroform	1.0 U	---	1 U	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U
Chloromethane	1.0 U	---	1 U	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U
cis-1,2-Dichloroethene	6.8	---	6	6 J	3 J	3	6.86	---	4.57	---	8.27
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	1.0 U	---	1 U	2 U	2 U	1 U	1.00 U	---	1.00 U	---	1.00 U
Toluene	1.0 U	---	1 U	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U
Trichloroethene	1.0 U	---	1 U	0.8 J	0.5 U	1 U	1.30	---	0.745 J	---	1.37
Vinyl Chloride	1.5	---	1	1	0.7 J	1 U	1.64	---	0.728 J	---	2.15
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/9/2013	10/24/2012	5/22/2012	10/19/2011	5/24/2011	10/14/2010	5/18/2010	10/22/2009	5/20/2009	10/15/2008	10/25/2007
1,1-Dichloroethane	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	1.2 J	50 U	5 U
1,2-Dichloroethane	5 U	1.04 J	25 U	25 U	25 U	50 U	50 U	50 U	1.87 J	50 U	1.77 J
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	25 U	25 U	5.49 J	50 U	50 U	50 U	5 U	50 U	5 U
Benzene	13.3	32.6	34.5	31.8	9.49 J	82.4	113	182	64.7	23.3 J	3.88 J
Chlorobenzene	220	231	306	304	152	337	498	486	499	422	370
Chloroethane	3 J	4.92 J	5.15 J	6.86 J	25 U	50 U	12.1 J	50 U	10.6	50 U	8.38
Chloroform	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	5 U	50 U	5 U
Chloromethane	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	5 U	50 U	5 U
cis-1,2-Dichloroethene	10.5	13.2	15.1 J	19.2 J	8.23 J	17.9 J	29.8 J	24 J	31	17.5 J	20.4
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	5 U	50 U	5 U
Toluene	5 U	5 U	25 U	25 U	25 U	50 U	50 U	50 U	5 U	50 U	5 U
Trichloroethene	1.18 J	1.66 J	25 U	25 U	25 U	50 U	50 U	50 U	4.54 J	50 U	4.61 J
Vinyl Chloride	2.45 J	4.63 J	25 U	5.63 J	25 U	50 U	50 U	50 U	4.94 J	50 U	5.49
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/14/2006	10/19/2005	5/24/2005	10/20/2004	10/20/2004	5/18/2004	10/22/2003	5/20/2003	10/2/2002	10/2/2002	5/14/2002
1,1-Dichloroethane	5 U	1.01 J	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	2.05 J	2.12 J	2.2 J	2.16 J	2.04 J	2.04	1.64 J	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	1.77 JB	5 U	1 U	5 U	5 U	10 U	10 U	10 U
Benzene	2.45 J	3.22 J	2.7 J	3.46 J	3.27 J	2.95	3.37 J	5 U	4 J	4 J	6
Chlorobenzene	379	444	472	396	391	505	629	589	690	680	590
Chloroethane	14.1	16.9	12.6	12.8	13.1	12.1	14.9	14	24	21	11
Chloroform	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	10 U	110	10 U
cis-1,2-Dichloroethene	17.4	21.1	21.6	21.1	21.3	21.1	26.7	25.5	28	28	16
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	2 J
Trichloroethene	4.58 J	5.45	5.58	4.84 J	4.59 J	5.11	5.77	5.97	5 U	5 U	5 U
Vinyl Chloride	6.55	7.92	8.09	6.96	7.04	7.52	7.58	7.79	12	13	5 J
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/17/2001	10/17/2001	5/8/2001	11/16/2000	5/18/2000	5/18/2000	11/3/1999	5/4/1999	10/24/1998	1/22/1997	12/27/1996	9/14/1995
1,1-Dichloroethane	1 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	15 U	12 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	15 U	12 U
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---	12 U
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---	12U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---	---
Benzene	7	7	7	9	8	9	12	16	35	---	67	89 J-CS
Chlorobenzene	660	670	520	720	510	720	600	690	790	---	360	630 J-CS
Chloroethane	20	20	10 U	10 U	20	29	27	34	19	---	15 U	25 J-CS
Chloroform	1 J	5 U	5 U	5 U	1 J	1 J	5 U	2 BJ	5 U	---	15 U	12 U
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	15 U	12 U
cis-1,2-Dichloroethene	29	29	23	30	26	30	35	32	42	---	70	76 J-CS
Ethane	---	---	---	---	---	---	---	---	---	59	---	---
Ethene	---	---	---	---	---	---	---	---	---	3.6 J	---	---
Methane	---	---	---	---	---	---	---	---	---	420	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 J	5 U	---	15 U	12 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	3 J	---	15 U	12 UJ-C
Trichloroethene	6	6	6	6	5	7	6	7	9	---	15 U	12 U
Vinyl Chloride	8 J	9 J	4 J	10 U	7 J	13	25	29	55	---	15 U	30 J-CS
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	1.2 J	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	1.2 J	---
Phenol	---	---	---	---	---	---	---	---	---	---	10 U	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-206

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2015	12/5/2013	10/23/2012	10/18/2011	10/11/2010	10/21/2009	10/13/2008	10/23/2007	11/13/2006	10/17/2005	10/19/2004
1,4-Dioxane	0.19 U	0.026 J	---	---	---	---	---	---	---	---	---
Acetone	6 U	5.00 U	5 U	5 U	1.37 J	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylenes	0.5 U	---	---	---	---	---	5 U	---	---	5 U	5 U
Methylene chloride	2 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---
Aroclor-1221	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---
Aroclor-1232	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---
Aroclor-1242	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---
Aroclor-1248	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---
Aroclor-1254	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---
Aroclor-1260	---	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---

Historical Detected Concentrations in OMW-206

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/21/2003	12/20/2002	10/3/2002	10/15/2001	11/14/2000	11/2/1999	10/21/1998	12/29/1996	9/13/1995	4/19/1994	12/30/1993
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---	---	---
Benzene	5 U	10 U	74	10 U	10 U	10 U	5 U	0.5 U	0.5 UJ-C	1 U	0.5 UJ
Chlorobenzene	5 U	10 U	23	10 U	10 U	5 U	5 U	0.5 U	0.5 U	1 U	0.5 UJ
Chloroform	5 U	3 J	10 U	10 U	10 U	5 U	5 U	0.5 U	0.5 U	1 U	0.5 UJ
cis-1,2-Dichloroethene	5 U	10 U	4 J	10 U	10 U	5 U	5 U	0.5 U	0.5 U	1 U	0.5 UJ
m,p-Xylenes	5 U	10 U	3 J	10 U	10 U	5 U	5 U	1 U	1 UJ-C	1 U	1 UJ
Methylene chloride	5 U	10 U	10 U	10 U	10 U	5 U	5 B	0.5 U	0.5 U	1 U	0.5 UJ
Toluene	5 U	10 U	110	10 U	10 U	5 U	5 U	0.58	0.5 UJ-C	1 U	0.5 UJ
Aroclor-1016	---	---	---	---	---	---	---	---	0.022 U	0.022 U	0.09 U
Aroclor-1221	---	---	---	---	---	---	---	---	0.022 U	0.022 U	0.09 U
Aroclor-1232	---	---	---	---	---	---	---	---	0.022 U	0.022 U	0.09 U
Aroclor-1242	---	---	---	---	---	---	---	---	0.022 UJ-C	0.022 U	0.09 U
Aroclor-1248	---	---	---	---	---	---	---	---	0.022 U	0.022 U	0.09 U
Aroclor-1254	---	---	---	---	---	---	---	---	0.022 U	0.022 U	0.09 U
Aroclor-1260	---	---	---	---	---	---	---	---	0.022 U	0.022 U	0.09 U

Historical Detected Concentrations in OMW-211

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-211

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-211

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-212

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2016	10/21/2015	12/2/2014	12/4/2013	10/24/2012	10/19/2011	10/13/2010	12/15/2009	10/19/2009	10/13/2008	10/25/2007
1,4-Dioxane	---	---	---	1.3	---	---	---	---	---	---	---
Acetone	34.8	22	10.0 U	10.6	71.1	21.4	19	14.4	26.2	5 U	5 U
Chloroform	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-212

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	11/14/2006	10/18/2005	10/18/2004	10/20/2003	10/2/2002	10/17/2001	11/16/2000	11/3/1999	11/17/1998	10/20/1998	12/29/1996
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	2.43 J	11.3 B	8.09 B	5 U	10 U	74	100	55	33	76	---
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	0.5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 B	6 B	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.88
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-212

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	9/14/1995	3/2/1995	12/10/1994
1,4-Dioxane	---	---	---
Acetone	---	---	---
Chloroform	0.5 U	0.5 UJ-C	0.5 U
Methylene chloride	0.5 U	0.5 UJ-C	0.5 U
Toluene	0.5 UJ-C	0.5 UJ-C	0.5 U
bis(2-Ethylhexyl)Phthalate	3 J	---	---
di-n-Butyl Phthalate	1 J	---	---
Aroclor-1016	0.022 U	---	0.022 U
Aroclor-1221	0.022 U	---	0.022 U
Aroclor-1232	0.022 U	---	0.022 U
Aroclor-1242	0.022 UJ-C	---	0.022 U
Aroclor-1248	0.022 U	---	0.022 U
Aroclor-1254	0.022 U	---	0.022 U
Aroclor-1260	0.022 U	---	0.022 U

Historical Detected Concentrations in OMW-213

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-213

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-213

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-214

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2016	10/23/2015	12/3/2014	12/5/2013	5/7/2013	10/24/2012	5/21/2012	10/19/2011	5/23/2011	10/13/2010	5/18/2010
1,4-Dioxane	2.4	1.2	2.2	2.9	---	---	---	---	---	---	---
2-Butanone	1.0 U	3 U	1.45 J	1.00 U	5 U	5 U	5 U	5 U	5 U	1.32 J	5 U
Acetone	24.8	10 J	13.9	4.26 J	5 U	5 U	5 U	5.61	4.44 J	5.09	6.07
Benzene	5.8 J	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	1.17 J
Chlorobenzene	2.4	1	1.27	1.11	1.36 J	1.42 J	1.62 J	2.28 J	2.08 J	1.44 J	1.88 J
Chloroform	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	1.5	1 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylenes	2.0 U	0.5 U	1.00 U	---	5 U	---	5 U	---	---	---	---
Methylene chloride	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-214

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/21/2009	10/14/2008	10/25/2007	11/14/2006	10/18/2005	5/23/2005	10/19/2004	5/17/2004	10/22/2003	5/20/2003	10/2/2002
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	10 U
Acetone	5 U	5 U	5 U	5 U	7.34 B	6.03 B	5.79 B	5.77 B	5 U	5 U	10 U
Benzene	5 U	5 U	1.1 J	1.24 J	1.55 J	1.75 J	5 U	1.14	1.08 J	5 U	5 U
Chlorobenzene	1.78 J	1.82 J	1.95 J	2.36 J	3.29 J	3.48 J	2.73 J	3.1	3.49 J	5 U	3 J
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	10 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
m,p-Xylenes	---	5 U	---	---	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U
Benzoic Acid	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-214

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/13/2002	10/16/2001	5/8/2001	11/13/2000	5/18/2000	11/2/1999	5/4/1999	10/23/1998	12/28/1996	9/11/1995	3/2/1995	12/13/1994
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---	---	---
Benzene	5 U	2 J	2 J	2 J	3 J	3 J	4 J	5 U	11	4.6 J-C	2.2 J-C	---
Chlorobenzene	3 J	5 J	5 J	4 J	6	7	8	5 U	1.4	0.5 U	0.5 U	---
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	2 BJ	5 U	0.5 U	0.5 U	0.5 UJ-C	---
Chloromethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	0.5 U	0.5 U	---
cis-1,2-Dichloroethene	5 U	1 J	1 J	5 U	2 J	3 J	3 J	5 U	1.3	0.5 U	0.5 U	---
m,p-Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	3.2 J-C	---
Methylene chloride	5 U	5 U	5 U	5 U	2 BJ	5 U	4 BJ	5 U	0.5 U	0.5 UJ-C	0.5 UJ-C	---
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10	0.5 U	1 J-C	---
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	0.5 U	0.5 U	0.5 UJ-C	---
Benzoic Acid	---	---	---	---	---	---	---	---	---	3 J	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	3 J	---	---
Phenol	---	---	---	---	---	---	---	---	10 U	10 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	0.023 U	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	0.023 U	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	0.023 U	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	0.023 UJ-C	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	0.023 U	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	0.023 U	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	0.023 U	---	---

Historical Detected Concentrations in OMW-214

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	12/10/1994
1,4-Dioxane	---
2-Butanone	---
Acetone	---
Benzene	1.6
Chlorobenzene	0.5 U
Chloroform	0.5 U
Chloromethane	0.5 UJ-C
cis-1,2-Dichloroethene	0.5 U
m,p-Xylenes	1 U
Methylene chloride	0.5 U
Toluene	0.5 UJ-C
Trichloroethene	0.5 U
Benzoic Acid	---
bis(2-Ethylhexyl)Phthalate	---
Phenol	---
Aroclor-1016	0.022 U
Aroclor-1221	0.022 U
Aroclor-1232	0.022 U
Aroclor-1242	0.022 U
Aroclor-1248	0.022 U
Aroclor-1254	0.022 U
Aroclor-1260	0.022 U

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2016	10/20/2016	10/23/2015	12/3/2014	12/5/2013	5/7/2013	10/24/2012	5/21/2012	10/19/2011	5/23/2011	10/13/2010
1,2-Dichloroethane	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	2.8	---	1.4	2.7	2.6	---	---	---	---	---	---
Acetone	5.0 U	5.0 U	6 U	10.0 U	5.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1.0 U	3.1	0.6 J	1.00 U	1.00 U	5 U	5 U	1.38 J	5 U	5 U	5 U
Chlorobenzene	4.2	4.6	4	4.06	3.57	4.2 J	4.77 J	5.2	6.93	7.37	7.07
Chloroethane	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	1.9	1.8	2	1.79	1.92	2.49 J	2.83 J	3.38 J	3.69 J	3.45 J	3.86 J
m,p-Xylenes	2.0 U	2.0 U	0.5 U	1.00 U	---	5 U	---	5 U	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	1.0 U	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
o-Xylene	1.0 U	1.0 U	0.5 U	1.00 U	---	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	1.6	1.6	2	1.69	2.01	2.45 J	2.98 J	3.83 J	2.73 J	2.42 J	3.57 J
Vinyl Chloride	1.0 U	1.0 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/18/2010	10/21/2009	10/14/2008	10/25/2007	11/14/2006	10/18/2005	5/23/2005	10/19/2004	5/18/2004	10/22/2003	5/20/2003
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	5 U	5 U	1.1 JB	5 U	1 U	5 U	5 U
Benzene	2.87 J	4.16 J	5 U	5 U	5 U	1.69 J	2.45 J	1.47 J	1.01	1.2 J	5 U
Chlorobenzene	6.86	5.65	5.59	5.98	7.03	7.14	7.08	6.16	11.2	12.4	13.1
Chloroethane	5 U	5 U	5 U	5 U	5 U	1.21 J	5 U	5 U	1 U	5 U	5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
cis-1,2-Dichloroethene	4.44 J	3.45 J	2.13 J	2.38 J	3.02 J	2.94 J	2.67 J	2.5 J	3.16	3.76 J	5 U
m,p-Xylenes	---	---	5 U	---	---	5 U	5 U	5 U	1 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
o-Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
Trichloroethene	3.35 J	2.55 J	1.21 J	1.42 J	1.79 J	1.91 J	1.79 J	1.57 J	2.25	2.7 J	5 U
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/2/2002	5/13/2002	10/17/2001	5/8/2001	11/14/2000	5/18/2000	11/3/1999	5/3/1999	11/17/1998	10/23/1998	10/23/1998	1/20/1997
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---
Benzene	2 J	1 J	1 J	1 J	2 J	2 J	2 J	5 U	17	89	78	---
Chlorobenzene	11	10	10	9	9	10	8	5	13	41	38	---
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 BJ	5 U	2 J	5 U	---
cis-1,2-Dichloroethene	4 J	3 J	4 J	3 J	3 J	4 J	3 J	4 J	5	23	18	---
m,p-Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 J	3 J	---
Methane	---	---	---	---	---	---	---	---	---	---	---	43
Methylene chloride	5 U	5 U	5 U	3 BJ	5 U	5 U	4 BJ	3 BJ	9 B	5 U	5 U	---
o-Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	3 J	---
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6	83	75	---
Trichloroethene	5 U	5 U	2 J	2 J	5 U	3 J	2 J	3 J	2 J	4 J	4 J	---
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-218

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2016	10/21/2015	12/2/2014	12/4/2013	10/23/2012	10/18/2011	10/11/2010	10/20/2009	10/13/2008	10/24/2007	11/13/2006
1,4-Dioxane	---	---	---	0.13 J	---	---	---	---	---	---	---
Acetone	5.1 U	6 U	10.0 U	5.00 U	5 U	5 U	1.17 J	5 U	5 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	1.0 U	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	1.0 U	5	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzidine	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-218

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/17/2005	10/18/2004	10/20/2003	10/1/2002	10/16/2001	11/15/2000	11/3/1999	10/20/1998	1/16/1997	12/28/1996	2/2/1996
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	---	---	---
Methane	---	---	---	---	---	---	---	---	17	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 BJ	---	0.5 U	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	0.63	0.5 U
Benzidine	---	---	---	---	---	---	---	---	---	---	50 UJ-C
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	0.022 U
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	0.022 U

Historical Detected Concentrations in OMW-218

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	1/7/1996
1,4-Dioxane	---
Acetone	---
Methane	---
Methylene chloride	0.5 UJ-CS
Toluene	0.5 UJ-S
Benzidine	51 R-C
Aroclor-1016	0.022 U
Aroclor-1221	0.022 U
Aroclor-1232	0.022 U
Aroclor-1242	0.022 U
Aroclor-1248	0.078
Aroclor-1254	0.022 U
Aroclor-1260	0.022 U

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/22/2012	10/20/2011	10/20/2011	5/24/2011	10/14/2010	10/14/2010	5/19/2010	12/15/2009	12/15/2009	10/21/2009	10/21/2009
1,1-Dichloroethane	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
1,2-Dichloroethane	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
2-Butanone	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
4-Methyl-2-Pentanone	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
Acetone	500 U	250 U	136 J	250 U	257 J	212 J	500 U	500 U	164 J	---	---
Benzene	4420	7760	7040	2830	3960	4350	8130	6170	6470	---	---
Chlorobenzene	636	557	547	165 J	241 J	313 J	634	251 J	263 J	---	---
Chloroethane	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
Chloroform	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
cis-1,2-Dichloroethene	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
m,p-Xylenes	500 U	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
o-Xylene	500 U	250 U	52.1 J	250 U	500 U	500 U	500 U	500 U	500 U	---	---
Toluene	7840	6650	6060	2080	3100	3730	8010	3930	3760	---	---
Trichloroethene	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
Vinyl Chloride	500 U	250 U	250 U	250 U	500 U	500 U	500 U	500 U	500 U	---	---
2,4-Dimethylphenol	---	30.5	33.6	10.5	18.9	18.1	---	---	---	27.4	27.3
2-Methylphenol	---	28	31.2	12.7	17.3	17.4	---	---	---	24	28
4-Methylphenol	---	273	335	162	260	238	---	---	---	602	704
Benzidine	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	9.26 U	9.26 U	9.26 U	9.26 U	9.26 U	---	---	---	9.26 U	9.26 U
Naphthalene	---	4.63 U	4.63 U	4.63 U	9.26 U	9.26 U	---	---	---	4.43 J	4.61 J
Nitrobenzene	---	9.26 U	9.26 U	9.26 U	9.26 U	9.26 U	---	---	---	9.26 U	9.26 U
Phenol	---	9.26 U	9.26 U	7.67 J	10.9	13.1	---	---	---	7.83 J	8.5 J
Aroclor-1016	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U
Aroclor-1221	---	0.05 U	0.05 U	0.05 U	0.0315 PB,J	0.0271 PB,J	---	---	---	0.05 U	0.05 U
Aroclor-1232	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U
Aroclor-1242	---	0.0319 AD,J	0.0463 AD,J	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U
Aroclor-1248	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U
Aroclor-1254	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U
Aroclor-1260	---	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	---	---	---	0.05 U	0.05 U

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/15/2008	10/15/2008	10/25/2007	10/25/2007	11/15/2006	11/15/2006	10/19/2005	5/23/2005	10/20/2004	5/18/2004	10/22/2003
1,1-Dichloroethane	100 U	100 U	1.94 J	1.9 J	2.87 J	2.17 J	2.78 J	2.99 J	4.54 J	4.57	3.74 J
1,2-Dichloroethane	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U
2-Butanone	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U
4-Methyl-2-Pentanone	100 U	100 U	5 U	5 U	5 U	5 U	15 J	5 U	5 U	25.7	5 U
Acetone	100 U	100 U	65	62.6	5 U	5 U	55.2	58.5 B	75.1 B	102 B	69.6
Benzene	2000	1830	1240	1190	1260	1140	1310	1290	1720	1600	1630
Chlorobenzene	80.1 J	65.7 J	34.5	34.9	32.4	32.1	33.5	31	39.7	45.7	67.4
Chloroethane	100 U	100 U	5 U	5 U	5 U	5 U	2.42 J	2.06 J	4.1 J	3.27	4.2 J
Chloroform	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U
cis-1,2-Dichloroethene	100 U	100 U	1.14 J	1.17 J	2.09 J	2.12 J	5 U	5 U	5 U	1 U	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	100 U	100 U	2.04 J	1.98 J	1.85 J	1.89 J	1.72 J	1.54 J	1.9 J	2.73	4.03 J
m,p-Xylenes	100 U	100 U	---	---	---	---	4.64 J	5 U	5.24	7.24	11.3
Methane	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U
o-Xylene	100 U	100 U	2.51 J	2.64 J	2.54 J	2.54 J	2.37 J	1.92 J	2.71 J	3.4	5.18
Toluene	1420	1190	706	701	663	615	845	688	838	995	1290
Trichloroethene	100 U	100 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U
Vinyl Chloride	100 U	100 U	2.02 J	1.87 J	2.8 J	3.15 J	1.27 J	5 U	5 U	1 U	5 U
2,4-Dimethylphenol	9.02 J	11.4	11.6 U	12.2 U	10.1 U	10.9 U	3.44 J	---	18.9 U	---	7.25 J
2-Methylphenol	9.75	11.4	11.6 U	12.2 U	10.1 U	10.9 U	5.49 J	---	18.9 U	---	4.13 J
4-Methylphenol	223	255	119	126	218	157	118	---	166	---	188
Benzidine	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	9.26 U	9.26 U	11.6 U	12.2 U	10.1 U	10.9 U	9.52 U	---	18.9 U	---	9.26 U
Naphthalene	9.26 U	9.26 U	11.6 U	12.2 U	10.1 U	10.9 U	9.52 U	---	18.9 U	---	9.26 U
Nitrobenzene	9.26 U	9.26 U	11.6 U	12.2 U	10.1 U	10.9 U	9.52 U	---	18.9 U	---	8.48 J
Phenol	3.99 J	9.26 U	11.6 U	12.2 U	10.1 U	10.9 U	3.72 J	---	18.9 U	---	4.93 J
Aroclor-1016	0.05 U	0.05 U	0.05 U	0.05 U	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U
Aroclor-1221	0.05 U	0.05 U	0.05 U	0.05 U	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U
Aroclor-1232	0.05 U	0.05 U	0.05 U	0.05 U	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U
Aroclor-1242	0.05 U	0.05 U	0.05 U	0.05 U	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U
Aroclor-1248	0.05 U	0.05 U	0.05 U	0.05 U	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U
Aroclor-1254	0.05 U	0.05 U	0.05 U	0.05 U	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U
Aroclor-1260	0.05 U	0.05 U	0.05 U	0.05 U	0.0521 U	0.0543 U	0.05 U	---	0.05 U	---	0.05 U

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/20/2003	10/3/2002	10/3/2002	5/14/2002	10/18/2001	10/18/2001	5/9/2001	11/16/2000	11/16/2000	5/22/2000	11/3/1999	5/4/1999
1,1-Dichloroethane	50 U	4 J	5 U	5	8	8	6	---	11	7	5	10
1,2-Dichloroethane	50 U	5 U	5 U	5 U	5 U	5 U	4 J	---	5 U	5 U	5 U	5 U
2-Butanone	50 U	10 U	10 U	11	10 U	10 U	10 U	---	10 U	10 U	10 U	11
4-Methyl-2-Pentanone	50 U	14	18	27	43	45	55	---	68	37	31	35
Acetone	66.2	210	110	130	190	180	10 U	---	10 U	230	620	830 E
Benzene	1260	1700	1400	3200	3900	4300	3500	---	4800	2000	2300	2600
Chlorobenzene	50 U	34	36	37	170	180	120	---	250	64	81	140
Chloroethane	50 U	10 U	10 U	10 U	10 U	10 U	10 U	---	10 U	10 U	10 U	10 U
Chloroform	50 U	5 U	5 U	5 U	5 U	5 U	5 U	---	5 U	5 U	5 U	4 BJ
cis-1,2-Dichloroethene	50 U	5 U	5 U	5 U	5 U	5 U	5 U	---	5 U	5 U	5 U	5 U
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	50 U	5 U	5 U	5 U	14	13	11	---	21	5 J	6	11
m,p-Xylenes	50 U	4 J	4 J	5 J	44	47	32	---	67	11	19	29
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	50 U	5 U	5 U	5 U	5 U	5 U	6 B	---	5 U	8 B	5 U	11
o-Xylene	50 U	5 U	5 U	5 U	18	18	14	---	26	5	7	13
Toluene	698	1000	790	930	3100	3700	2400 J	---	4400	1100	1700	2200
Trichloroethene	50 U	5 U	5 U	5 U	5 U	5 U	5 U	---	5 U	4 J	5 U	5 U
Vinyl Chloride	50 U	10 U	10 U	10 U	10 U	10 U	10 U	---	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	---	10 U	2 J	---	16 J	17 J	---	---	10 J	---	8 J	---
2-Methylphenol	---	3 J	2 J	---	12 J	13 J	---	---	7 J	---	7 J	---
4-Methylphenol	---	130	160	---	200	220	---	---	160	---	130	---
Benzidine	---	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	10 U	10 U	---	20 U	20 U	---	---	20 U	---	10 U	---
Naphthalene	---	10 U	10 U	---	20 U	2 J	---	---	20 U	---	2 J	---
Nitrobenzene	---	10 U	10 U	---	20 U	20 U	---	---	20 U	---	10 U	---
Phenol	---	10 U	10 U	---	3 J	3 J	---	---	20 U	---	10 U	---
Aroclor-1016	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---
Aroclor-1221	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---
Aroclor-1232	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---
Aroclor-1242	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---
Aroclor-1248	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---
Aroclor-1254	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---
Aroclor-1260	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	0.065 U	---	0.065 U	---

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/23/1998	1/21/1997	12/28/1996	2/2/1996	1/7/1996
1,1-Dichloroethane	5	---	100 U	100 U	50 UJ-HS
1,2-Dichloroethane	5 U	---	100 U	100 UJ-C	50 UJ-HS
2-Butanone	17	---	---	---	---
4-Methyl-2-Pentanone	25	---	---	---	---
Acetone	160	---	---	---	---
Benzene	1400	---	3200	2700 J-S	1700 J-HCS
Chlorobenzene	35	---	100 U	100 UJ-C	44 J-HSP
Chloroethane	10 U	---	100 U	100 U	50 UJ-HCS
Chloroform	5 U	---	100 U	100 U	50 UJ-HS
cis-1,2-Dichloroethene	5 U	---	100 U	100 UJ-C	50 UJ-HS
Ethane	---	600	---	---	---
Ethene	---	110 J	---	---	---
Ethylbenzene	5 U	---	100 U	100 U	50 UJ-HS
m,p-Xylenes	4 J	---	200 U	200 U	100 UJ-HS
Methane	---	700	---	---	---
Methyl tert-Butyl ether	---	---	100 U	100 R-Q	50 UJ-HCS
Methylene chloride	5 U	---	100 U	100 U	50 UJ-HS
o-Xylene	3 J	---	100 U	100 U	50 UJ-HS
Toluene	760	---	2900	1900 J-S	1200 J-HS
Trichloroethene	5 U	---	100 U	100 U	50 UJ-HS
Vinyl Chloride	10 U	---	100 U	100 U	50 UJ-HS
2,4-Dimethylphenol	22	---	11 J	7 J	5 J
2-Methylphenol	4 J	---	8.6 J	9 J	6 J
4-Methylphenol	70	---	200	260	130
Benzidine	---	---	---	170 UJ-C	100 R-C
bis(2-Ethylhexyl)Phthalate	10 U	---	---	33 U	20 U
Naphthalene	10 U	---	---	33 U	20 U
Nitrobenzene	10 U	---	---	33 U	20 U
Phenol	10 U	---	40 J	33 U	20 U
Aroclor-1016	0.5 U	---	---	0.022 U	0.022 U
Aroclor-1221	0.5 U	---	---	0.022 U	0.022 U
Aroclor-1232	0.5 U	---	---	0.022 U	0.022 U
Aroclor-1242	0.5 U	---	---	0.022 U	0.022 U
Aroclor-1248	0.5 U	---	---	0.022 U	0.11
Aroclor-1254	1 U	---	---	0.022 U	0.022 U
Aroclor-1260	1 U	---	---	0.022 U	0.022 U

Historical Detected Concentrations in OMW-220

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/22/2015	12/5/2013	10/23/2012	10/18/2011	10/12/2010	10/21/2009	10/14/2008	10/24/2007	11/14/2006	10/18/2005	10/19/2004
1,4-Dioxane	---	0.090 J	---	---	---	---	---	---	---	---	---
Carbon Disulfide	3 J	3.44 J	2.03 J	1.94	2.85	3.72 J	3.18	2.84	3.77	0.698	4.55 J
Methylene chloride	2 U	1.00 U	5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.5 U	1.00 U	5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-220

Dewey Loeffel Landfill Superfund Site Nassau, New York

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

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/19/2016	10/22/2015	12/1/2014	12/5/2013	12/5/2013	5/8/2013	5/8/2013	10/23/2012	10/23/2012	5/22/2012	5/22/2012	10/18/2011
1,4-Dioxane	---	0.19 U	---	0.20 U	0.20 U	---	---	---	---	---	---	---
Acetone	5.0 U	6 U	10.0 U	5.00 U	5.00 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Benzene	1.0 U	0.5 U	1.00 U	1.00 U	1.00 U	0.5 U	0.502	0.5 U	0.5 U	0.877	0.899	1.04
cis-1,2-Dichloroethene	1.0 U	0.5 U	0.525 J	1.00 U	1.00 U	0.5 U	0.65	0.5 U	0.5 U	0.886	0.829	0.946
Methylene chloride	1.0 U	2 U	1.00 U	1.00 U	1.00 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	2.2	3	4.31	2.78	2.83	3.48	6.13	4.15	4.56	9.2	9.44	10.7
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2011	5/23/2011	5/23/2011	10/13/2010	10/13/2010	5/19/2010	5/19/2010	10/21/2009	10/21/2009	5/20/2009	5/20/2009
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
Benzene	1.09	0.753	0.74	5 U	5 U	2.9	3.25	5 U	5 U	1.57	1.43
cis-1,2-Dichloroethene	0.951	0.742	0.758	5 U	5 U	2.02	2.22	5 U	5 U	0.995	0.901
Methylene chloride	0.5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U	5 U	5 U	0.5 U	0.5 U
Trichloroethene	10.8	8.72	9.3	9.14	9.58	25.4	29.1	9.52	10.3	15.1	14.3
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/14/2008	10/14/2008	5/14/2008	5/14/2008	10/23/2007	5/23/2007	5/23/2007	11/14/2006	5/22/2006	10/18/2005	5/23/2005
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U
Benzene	0.5 U	5 U	1.58	1.6	0.5 U	0.5 U	0.5 U	0.853	0.972	0.5 U	5 U
cis-1,2-Dichloroethene	0.5 U	5 U	0.865	0.843	0.5 U	0.5 U	0.5 U	0.5 U	0.563	0.5 U	5 U
Methylene chloride	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.2 B	0.5 U	5 U
Trichloroethene	5.42	5.09	16.8	16.4	3.19	4.48	3.83	7.5	9.23	0.653	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2004	5/17/2004	10/21/2003	5/19/2003	10/1/2002	5/13/2002	10/16/2001	5/9/2001	11/13/2000	5/17/2000	11/2/1999	10/22/1998
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	1	0.819	0.5 U	0.5 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	4 BJ	5 U	6 B
Trichloroethene	2.21	1.4	0.5 U	0.5 U	0.6	0.5 U	5 U	5 U	5 U	3 J	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	1/14/1997
1,4-Dioxane	---
Acetone	---
Benzene	0.5 U
cis-1,2-Dichloroethene	0.5 U
Methylene chloride	0.5 U
Trichloroethene	0.5 U
Aroclor-1016	0.01 U
Aroclor-1221	0.01 U
Aroclor-1232	0.01 U
Aroclor-1242	0.01 U
Aroclor-1248	0.01 U
Aroclor-1254	0.01 U
Aroclor-1260	0.01 U

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2016	10/22/2015	12/3/2014	12/3/2014	12/3/2013	5/7/2013	10/22/2012	5/21/2012	10/17/2011	5/23/2011	10/12/2010
1,4-Dioxane	---	0.19 U	---	---	0.20 U	---	---	---	---	---	---
Acetone	5.0 U	6 U	10.0 U	10.0 U	5.00 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	1.0 U	1 U	1.00 U	1.00 U	1.00 UJ	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	1.0 U	2 U	1.00 U	1.00 U	1.00 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/18/2010	12/15/2009	10/19/2009	5/20/2009	10/13/2008	5/14/2008	10/23/2007	5/23/2007	11/13/2006	5/22/2006	10/17/2005
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon Disulfide	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.935 B	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	5/23/2005	10/19/2004	5/17/2004	10/21/2003	5/19/2003	10/1/2002	5/14/2002	10/16/2001	5/7/2001	11/13/2000	5/16/2000	11/2/1999
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	1.09 B	0.5 U	0.633 B	2.51	0.5 U	0.5 U	0.5 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	4.51	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	7 B	4 BJ
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/22/1998	1/14/1997
1,4-Dioxane	---	---
Acetone	10 U	---
Carbon Disulfide	5 U	---
Methylene chloride	5 U	0.5 U
Aroclor-1016	---	0.01 U
Aroclor-1221	---	0.01 U
Aroclor-1232	---	0.01 U
Aroclor-1242	---	0.01 U
Aroclor-1248	---	0.01 U
Aroclor-1254	---	0.01 U
Aroclor-1260	---	0.01 U

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2016	10/22/2015	12/3/2014	12/3/2013	5/9/2013	10/22/2012	5/21/2012	10/17/2011	5/23/2011	10/12/2010	5/18/2010
1,4-Dioxane	---	---	---	0.20 U	---	---	---	---	---	---	---
Acetone	5.0 U	6 U	10.0 U	5.00 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	1.0 U	0.5 U	1.00 U	1.00 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	1.0 U	2 U	1.00 U	1.00 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	12/15/2009	10/19/2009	5/20/2009	10/13/2008	5/14/2008	10/23/2007	5/23/2007	11/13/2006	5/22/2006	10/18/2005	5/23/2005
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.658 B
Chloromethane	0.5 U	0.5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.45 B	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2004	5/17/2004	10/21/2003	5/19/2003	9/30/2002	5/13/2002	10/16/2001	5/7/2001	11/13/2000	5/16/2000	11/2/1999	10/22/1998
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloromethane	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene chloride	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	5 U	5 U	7 B	5 U	7 B
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	1/14/1997
1,4-Dioxane	---
Acetone	---
Chloromethane	0.5 U
Methylene chloride	0.5 U
Aroclor-1016	0.01 U
Aroclor-1221	0.01 U
Aroclor-1232	0.01 U
Aroclor-1242	0.01 U
Aroclor-1248	0.01 U
Aroclor-1254	0.01 U
Aroclor-1260	0.01 U

Historical Detected Concentrations in OPZ-207

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/23/2015	12/4/2013	10/23/2012	10/18/2011	10/11/2010	12/15/2009	10/19/2009	10/13/2008	10/24/2007	11/13/2006	10/17/2005
1,4-Dioxane	4.0	0.22	---	---	---	---	---	---	---	---	---
Acetone	6 U	5.00 U	5 U	5 U	1.34 J	5 U	5 U	0.5 U	5 U	5 U	5 U
Benzene	14	1.00 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Chloroform	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Toluene	0.5 U	1.00 U	5 U	5 U	5 U	5 U	5 U	0.5 U	5 U	5 U	5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OPZ-207

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/18/2004	10/21/2003	10/1/2002	10/16/2001	11/15/2000	11/2/1999	10/21/1998	4/19/1994	4/19/1994	4/19/1994
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	10 U	10 U	10 U	10 U	10 U	---	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5 U	1 U
Chloroform	5 U	5 U	5 U	5 U	6	5 U	5 U	0.5 U	0.5 U	1 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U	0.5	1 U
Aroclor-1016	---	---	---	---	---	---	---	0.022 U	0.023 U	U
Aroclor-1221	---	---	---	---	---	---	---	0.022 U	0.023 U	U
Aroclor-1232	---	---	---	---	---	---	---	0.022 U	0.023 U	U
Aroclor-1242	---	---	---	---	---	---	---	0.022 U	0.023 U	U
Aroclor-1248	---	---	---	---	---	---	---	0.022 U	0.023 U	U
Aroclor-1254	---	---	---	---	---	---	---	0.022 U	0.023 U	U
Aroclor-1260	---	---	---	---	---	---	---	0.022 U	0.023 U	U

Historical Detected Concentrations in OPZ-217

Dewey Loeffel Landfill Superfund Site Nassau, New York

Sample Date	10/20/2015	12/3/2013	12/3/2013	10/23/2012	10/18/2011	10/13/2010	10/20/2009	10/13/2008	10/24/2007	11/13/2006	10/17/2005
1,4-Dioxane	---	0.20 UJ	0.20 U	---	---	---	---	---	---	---	---
Acetone	6 U	5.00 U	5.00 U	5 U	5 U	1.11 J	5 U	5 U	5 U	5 U	5 U
Toluene	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

Historical Detected Concentrations in OPZ-217

Dewey Loeffel Landfill Superfund Site Nassau, New York

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



Groundwater Monitoring Forms

**Spring 2016 Low-Flow
Sampling Forms**



Low Flow Groundwater Sampling Log

Well ID: OMW-102

Northing: 933362.892

Easting: 707617.570

Site Name: Dewey Loeffel Landfill

Sampling Method: Bladder Pump

Field Personnel: JAT

Site Location: Nassau, NY

Equipment Used: LA MOTTE 2020 WE Turbidity meter, Smart Trak

Date: 5/17/16

Project #: 60994.200.016

Pump/Controller ID#: 02525 QED MP10H

Weather: 60s, partly cloudy, sunny

Well information:

Installed Depth of Well*: 78.04 ft. bmp.

Measured Depth of Well*: 77.96 ft. bmp.

Depth to Water*: 60.59 ft.

Length of Water Column (LWC): 17.37 in.

Well Diameter: 4.0 in.

Well Volume Multipliers:

☐ 1 in. = 0.041 gal/ft☐ 2 in. = 0.163 gal/ft☒ 4 in. = 0.653 gal/ft☐ 6 in. = 1.469 gal/ft☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing☐ Protective Casing☐ Other:

Well Volume: 11.34 gal.

Pump Intake Depth*: 72.99 ft. bmp.

Start Purge Time: 1030

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

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (uS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
0	61.42	11.13	7.93	310.11	-196.7	0.42	21.8	325	
5	62.70	10.43	8.41	297.69	-295.10	0.01	17.5	300	
10	63.65	10.43	8.50	290.25	-312.00	0.00	15.8	300	
15	64.60	10.53	8.50	288.90	-314.70	0.00	14.5	180	
20	65.03	10.57	8.50	276.39	-314.60	0.00	14.2	180	
25	65.56	10.86	8.48	269.37	-308.60	0.00	14.8	180	
30	65.81	11.00	8.44	261.45	-302.20	0.00	16.2	160	
35	66.09	11.08	8.41	259.49	-296.60	0.00	15.6	160	
40	66.25	11.36	8.38	261.12	-291.20	0.00	16.4	160	
45	66.40	11.66	8.34	259.26	-282.20	0.00	15.8	160	
50	66.54	11.85	8.32	275.13	-279.80	0.00	16.1	160	
55	66.70	11.91	8.31	283.57	-276.90	0.00	16.2	160	
60	66.73	11.87	8.29	287.48	-273.10	0.00	15.4	160	
65	66.79	11.68	8.29	303.60	-270.30	0.00	15.7	160	
70	66.86	11.71	8.28	315.34	-269.20	0.00	16.0	160	
73	66.91	11.74	8.27	319.02	-268.6	0.00	15.5	160	
76	67.00	11.64	8.28	323.26	-268.2	0.00	15.9	160	

Stabilization $\Delta \leq 0.3'$ $\pm 3\%$ ± 0.1 $\pm 3\%$ ± 10 mV $\pm 10\%$ $\pm 10\%$ $100 \leq X \leq 500$

End Purge Time: 1146

DO Titration = NA mg/L

Total volume of groundwater purged: 5.0 gal.

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

Sample ID: OMW-102-051716 / DUP-001-051716 Sample Time: 1150

Analytical Parameters: VOCs USEPA SW-846 Method 8260C, low level 1,4-Dioxane USEPA SW-846 Method 8270D

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	6	No	HCL	Pace Analytical
250 ml	Amber Glass	2	No	None	Pace Analytical/ALS

Notes:

COLLECT DUP-001(VOCs)

LA MOTTE 2020 WE Turbidity: 00996 Smart Trak: 01327

Low Flow Groundwater Sampling Log

Well ID: OMW-201

Northing: 933369.900

Easting: 707649.012

Site Name: Dewey Loeffel Landfill

Sampling Method: Bladder Pump

Field Personnel: IAT

Site Location: Nassau, NY

Equipment Used: Lamotte ZOTO we turbidity meter

Date: 5/17/16

Project #: 60994.200.016

Pump/Controller ID#: 02525 GED MP10H W

Weather: 50s, cloudy

Well information:

Installed Depth of Well*: 108.21 ft. bmp.

Measured Depth of Well*: 108.4 ft. bmp.

Depth to Water*: 59.49 ft

Length of Water Column (LWC): 48.91

Well Diameter: 4.0 in.

Well Volume Multipliers:

□ 1 in. = 0.041 gal/ft

□ 2 in. = 0.163 gal/ft

☒ 4 in. = 0.653 gal/ft

□ 6 in. = 1.469 gal/ft

□ 8 in. = 2.611 gal/ft

★ **Measurement Point:**

☒ Well Casing

☐ Protective Casing☐ Other:

Well Volume: 31.93 gal.

Pump Intake Depth*: 98.21 ft. bmp

Start Purge Time: 0825

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

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Indicate units					
				Specific Conductivity ($\mu\text{S}/\text{cm}$)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other (_____)
0	61.26	10.57	6.64	1576.12	-143.21	1.78	20.6	300	
5	61.30	10.43	6.86	1577.09	-155.90	1.48	19.9	300	
10	61.39	10.27	7.38	1575.58	-198.90	3.33	19.0	300	
15	62.00	10.34	7.44	1577.89	-187.20	0.27	18.3	300	
20	62.10	10.34	7.59	1579.74	-215.80	0.07	15.7	300	
25	62.23	10.37	7.62	1587.95	-221.80	0.06	11.0	300	
30	62.37	10.38	7.63	1589.49	-223.30	0.06	9.24	300	
35	62.52	10.41	7.63	1593.26	-222.70	0.06	8.82	300	
40	62.70	10.38	7.64	1597.11	-227.70	0.03	9.11	300	
45	62.93	10.42	7.64	1601.68	-230.50	0.02	8.49	300	
50	63.06	10.47	7.65	1599.40	-231.60	0.02	8.37	300	
55	63.12	10.52	7.64	1600.71	-231.50	0.02	8.44	300	
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$	

End Purge Time: 0920

DO Titration = NA mg/L

Total volume of groundwater purged: 3.5 gal.

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

Sample ID: OMW-201-051716 / DUP-002-051716 Sample Time: 0930

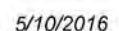
Analytical Parameters: VOCs USEPA SW-846 Method 8260C, low level 1,4-Dioxane USEPA SW-846 Method 8270D

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical
250 ml	Amber Glass	4	No	None	Pace Analytical/ALS

Notes:

COLLECT DUP-002 (1,4-Dioxane)

LA MoHE 2020 w/ Turbidity meter = 0.09916 Smart Troll: 0.1327



Low Flow Groundwater Sampling Log

Well ID: OMW-213

Northing: 932852.567

Easting: 707627.148

Site Name: Dewey Loeffel Landfill

Sampling Method:	Bladder Pump

Field Personnel:

Site Location: Nassau, NY

Equipment Used: _____

Date: _____

Project #: 60994.200.016

Pump/Controller ID#: _____

Weather: _____

Well information:

Installed Depth of Well*: 85.27 ft. bmp.

Measured Depth of Well*: 84.9 ft. bmp.

Depth to Water*: _____ ft.

Length of Water Column (LWC): _____ in.

Well Diameter: 4.0 in.

Well Volume Multipliers:

□ 1 in. = 0.041 gal/ft

□ 2 in. = 0.163 gal/ft

□ 4 in. = 0.653 gal/ft

□ 6 in. = 1.469 gal/ft

☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☐ Well Casing☐ Protective Casing☐ Other:

Well Volume: _____ gal

Pump Intake Depth*:	<u>74.07</u>	ft. bmp.

Start Purge Time:

Initial Observations:	<u>Color</u>	Odor	Sheen/Free Product

indicate units

[illegible]

Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$

End Purge Time:

DO Titration = _____ mg/L

Total volume of groundwater purged: gal.

Final Observations:	Color	Odor	Sheen/Free Product

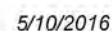
Sample ID: _____ Sample Time: _____

Analytical Parameters: VOCs USEPA SW-846 Method 8260C

[illegible]

Notes: Well measured dy.

5/10/2016



**Spring 2016 Groundwater
Sample Chain-of-Custody
Forms**



Dewey Loeffel Landfill Groundwater Monitoring Program

Page 1 of 1

Lab Use Only

Project Number:

Lab ID:

Job Number:

O'Brien & Gere Office: Albany		Laboratory:		Analysis Holding Time:		Grab (G) or Composite (C)		Field Filtered? (Y / N)		Chemical Preservatives: (see key at bottom)			
Address: O'Brien & Gere		Pace Analytical Services, Inc.		VOCs 14 days to analysis						1			
94 New Karner Rd, Suite 106, Albany, NY 12203		2190 Technology Dr, Schenectady, NY 12308											
Phone: (518) 724-7272		SUBCONTRACTED TO:		Package Requirement:									
Fax: (518) 869-2945		Pace Analytical Services		GE - Lvl 4 w/ 21 calendar day TAT									
Project Contact: Paul D'Annibale / Amy Spooner Stevens		575 Broad Hollow Rd Melville, NY 11747-5076		Project Number: 60994.200.200									
Email: Paul.D'Annibale@ohg.com / Amy.Spooner-Stevens@ohg.com		Pace PM: Nicole Johnson		EDD Format: EQuIS 4-File									
Sample Identification		Phone: (518) 688-3847											
Unique Field Sample ID	Sample Location	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (see key)	Sample Matrix (see key)	# of Containers	Reporting Units	ug/L					Lab Sample ID
1 OMW-102-051716	OMW-102	5/17/2016	11:50	N	WG	3	G N	X					
2 OMW-201-051716	OMW-201	5/17/2016	09:30	N	WG	3	G N	X					
3 OMW-205-051716	OMW-205	5/17/2016	09:55	N	WG	3	G N	X					
5 OMW-215-051716	OMW-215	5/17/2016	12:25	N	WG	3	G N	X					
6 OMW-215-051716-MS/MSD	OMW-215	5/17/2016	12:25	MS/MSD	WQ	6	G N	X					
7 DUP-001-051716	---	5/17/2016	---	FD	WG	3	G N	X					
8 TB-051716	---	5/17/2016	---	TB	WQ	2	G N	X					
9							G N						
10							G N						
11							G N						
12							G N						

Special Instructions:

Relinquished by: Robert Hornung	Date: 5/17/16	Received by: J. Bailey	Date: 5/17/16	Condition:	Comments or Notes: Analyze and report in accordance with Dewey Loeffel QAPP, (ARCADIS, December 2013 with amendments through March 2015). 21 calendar day TAT for Lvl 4 Pkg (PDF) and EQuIS 4-file EDD
of: OBG	Time: 1540	of: PACE	Time: 15:40	Custody Seals intact? Y N	
Relinquished by:	Date:	Received by:	Date:	Cooler Temperature: 14.2 °C (IR)	
of:	Time:	of:	Time:		
Relinquished by:	Date:	Received by:	Date:		
of:	Time:	of:	Time:		

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

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

Preservatives Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = NaHSO4, 8 = Na2S2O3:

**Fall 2016 Low-Flow
Sampling Forms**

Low Flow Groundwater Sampling Log

Well ID: OMW-101

Northings: 1358704.6

Easting: 744744.9

Site Name: Dewey Loeffel Landfill

Sampling Method: Bladder Pump

Field Personnel: ROH/JMS

Site Location: Nassau, NY

Equipment Used: Not Applicable

Date: 10/20/16

Project #: 60994.200.016

Pump/Controller ID#: Not Applicable

Weather: $\pm$ 60's, Showers

Well information:

Installed Depth of Well*: 62.16 ft. bmp.

Measured Depth of Well*: 62.16 ft. bmp.

Depth to Water*: 61.94 ft.

Length of Water Column (LWC): 0.37 in

Well Diameter: 2.0 in.

Well Volume Multipliers:

□ 1 in. = 0.041 gal/ft

□ 2 in. = 0.163 gal/ft

□ 4 in. = 0.653 gal/ft

□ 6 in. = 1.469 gal/ft

□ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing

☐ Protective Casing

☐ Other:

Well Volume: NA gal.

Pump Intake Depth*:	58.35	ft. bmp.

Start Purge Time:

Initial Observations:	<u>Color</u>	Odor	Sheen/Free Product

indicate units

[illegible]

End Purge Time:

DO Titration = _____ mg/L

Total volume of groundwater purged: gal.

Final Observations:	Color	Odor	Sheen/Free Product

Sample ID: _____ Sample Time: _____

Analytical Parameters:

VOCs by USEPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services

Notes: No samples collected. Not enough water in well to perform low-flow sampling techniques.

Low Flow Groundwater Sampling Log

Well ID:	OMW- ~~2002-10~~ 102
Northing:	1358723.4 1358716.5
Easting:	744769.7 744738.3

Site Name:	Dewey Loeffel Landfill
Site Location:	Nassau, NY
Project #:	60994.200.016

Sampling Method: Bladder Pump
Equipment Used: Smart Troll/Lanet
Pump/Controller ID#: F-900 710

Field Personnel: Jim Sullivan
Date: 10/20/16
Weather: 68°F - Partly Cloudy

Well information:

Installed Depth of Well*: 108.21 ft. bmp.

Measured Depth of Well*: Not Measured ft. bmp.

Depth to Water*: 62.27 ft.

Length of Water Column (LWC): 15.75 in

Well Diameter: 4.0 in

Well Volume Multipliers:

□ 1 in. = 0.041 gal/ft

□ 2 in. = 0.163 gal/ft

☒ 4 in. = 0.653 gal/ft

□ 6 in. = 1.469 gal/ft

□ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing

☐ Protective Casing

☐ Other:

Well Volume: 10.28 gal.

Pump Intake Depth*:	98.21	ft. bmp.

Start Purge Time:

Initial Observations: Color brown Odor slight odor Sheen/Free Product none Slight Sheen

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ($\mu S/cm$)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other (_____)
0	62.45	15.92	7.73	529.6	-48.4	0.50	16.8	225	
5	62.91	12.52	7.71	856.2	-171.2	0.32	8.40	250	
10	63.33	12.25	7.71	856.3	-210.9	0.32	7.44	250	
15	63.75	12.01	8.00	856.2	-232.9	0.32	6.95	250	
20	64.19	11.86	8.02	856.2	-243.0	0.32	5.67	250	
25	64.51	12.07	8.02	856.6	-245.6	0.33	5.28	250	
30	64.79	12.74	7.99	856.2	-241.0	0.32	5.92	250	
35	64.88	12.65	7.97	856.2	-238.7	0.34	5.12	250	
40	64.92	11.55	8.06	837.1	-245.2	0.32	5.22	250	
45	65.25	11.46	8.08	793.7	-245.9	0.30	5.98	250	
50	65.65	11.29	8.09	749.6	-244.3	0.24	5.56	250	
55	65.72	11.35	8.10	749.6	-241.8	0.31	5.98	250	
60	65.78	11.29	8.09	749.5	-237.9	0.29	5.86	250	
65	65.86	11.30	8.10	749.6	-236.8	0.28	5.92	250	
70	65.91	11.28	8.09	749.8	-234.5	0.26	5.65	250	
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$	

End Purge Time: 1215

DO Titration = NA mg/L

Total volume of groundwater purged: 24.2 gal.

Final Observations: Color brown Odor Strong odor Sheen/Free Product Slight Sheen

Sample ID: 0mw-702-102016

Sample Time: 1218

Analytical Parameters:

VOCs by USEPA Method 8260C, 1,4-dioxane by USEPA Method 8270D

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services
250 ml	Amber Glass	2	No	None	Pace Analytical Services/ALS

Notes: Pumped well @ 50-60 PSI

Small-bore WQ Met - ID: FA01327, Lamotte 2020 w/ Turbidity Met - ID: FA01463,
MiniRAE3000 PID ID: FA01871



Low Flow Groundwater Sampling Log

Well ID: QMW-201
Northing: 1358716.5 1358723.4
Easting: 744738.3 744749.4
Field Personnel: Jim Sullivan
Date: 10/20/16
Weather: 64°F Mostly Sunny

Site Name: Dewey Loeffel Landfill
Site Location: Nassau, NY
Project #: 60994.200.016

Sampling Method: Bladder Pump
Equipment Used: Smart TROLL (Leimile) 2020
Pump/Controller ID#: FA0099D

Well information:
Installed Depth of Well*: 108.21 ft. bmp.
Measured Depth of Well*: Not Measured ft. bmp.
Depth to Water*: 61.28 ft.
Length of Water Column (LWC): 46.93 in.
Well Diameter: 4.0 in.

Well Volume Multipliers:
☐ 1 in. = 0.041 gal/ft
☐ 2 in. = 0.163 gal/ft
☒ 4 in. = 0.653 gal/ft
☐ 6 in. = 1.469 gal/ft
☐ 8 in. = 2.611 gal/ft

* Measurement Point:
☒ Well Casing
☐ Protective Casing
☐ Other: _____

Well Volume: 30.65 gal.
Pump Intake Depth*: 72.99 ft. bmp.

Start Purge Time: 0915
Initial Observations: Color Clear Odor Slight odor Sheen/Free Product None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (uM/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ()
0	61.41	12.47	7.43	1737.2	-127.8	4.95	16.2	200	
5	61.79	11.82	7.55	1750.4	-140.7	3.80	12.3	250	
10	61.86	11.22	7.63	1737.7	-138.3	4.35	7.93	250	
15	61.94	11.36	7.60	1719.2	-143.8	3.12	7.73	200	
20	61.98	10.84	7.69	1719.2	-146.7	3.12	17.5	225	
25	62.03	10.85	7.69	1719.4	-176.6	3.12	2.49	225	
30	62.05	10.85	7.69	1719.2	-168.3	3.12	2.58	225	
35	62.15	10.90	7.68	1742.0	-170.6	2.15	1.96	300	
40	62.21	11.08	7.67	1748.5	-167.1	1.75	1.65	300	
45	62.29	11.01	7.66	1750.4	-152.0	1.51	1.69	325	
50	62.37	11.45	7.66	1744.4	-164.2	1.09	1.57	325	
55	62.48	11.43	7.66	1750.4	-169.8	0.85	1.42	325	
60	62.63	11.36	7.65	1767.1	-166.6	0.39	1.46	325	
65	62.74	11.41	7.65	1769.4	-160.7	0.37	2.28	325	
70	62.76	11.46	7.65	1769.6	-163.4	0.37	3.68	325	
75	62.78	11.60	7.65	1769.4	-161.2	0.37	3.72	325	
80	62.81	11.62	7.65	1769.2	-159.5	0.37	3.81	325	
85	62.85	11.63	7.65	1769.6	-160.6	0.37	3.86	325	

Stabilization $\Delta \leq 0.3'$ $\pm 3\%$ ± 0.1 $\pm 3\%$ ± 10 mV $\pm 10\%$ $\pm 10\%$ $100 \leq X \leq 500$

End Purge Time: 1040 DO Titration = NA mg/L
Total volume of groundwater purged: 26.5 gal.

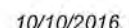
Final Observations: Color Brown Odor Strong Sheen/Free Product Slight Sheen

Sample ID: QMW-201-102016 Sample Time: 1045

Analytical Parameters: VOCs by USEPA Method 8260C, 1,4-dioxane by USEPA Method 8270D

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services
250 ml	Amber Glass	2	No	None	Pace Analytical Services/ALS

Notes: Purged between 80-100PSF / check valve/ball not functioning
Smartroll WA Meth ID: FA01327, MiniRAE 3000 PID ID: FA01971, Lamotte Zorowe Turbidity
Meth ID: FA01463



Low Flow Groundwater Sampling Log

Low Flow Groundwater Sampling Log

Well ID:	OMW-205
Northing:	1358198.3
Easting:	745186.9

Site Name:	Dewey Loeffel Landfill
Site Location:	Nassau, NY
Project #:	60994.200.016

Sampling Method:	Bladder Pump
Equipment Used:	Smart Trail / Comp
Pump/Controller ID#:	FA00790

Field Personnel: Jim Sullivan
Date: 10/19/16
Weather: 70°F Mostl + Sunny

Well information:

Installed Depth of Well*:	55.37	ft. bmp.
Measured Depth of Well*:	<u>Not Measured</u>	ft. bmp.
Depth to Water*:	32.19	ft.
Length of Water Column (LWC):	23.18	in.
Well Diameter:	4.0	in.

Well Volume Multipliers:

- ☐ 1 in. = 0.041 gal/ft
- ☐ 2 in. = 0.163 gal/ft
- ☒ 4 in. = 0.653 gal/ft
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: 15.14 gal.
Pump Intake Depth*: 44.15 ft. bmp.

Start Purge Time: 12:55

Initial Observations: Color Clear Odor Slight Sheen/Free Product None

indicate units

[illegible]

Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$

End Purge Time: 1410

DO Titration = NA mg/L

Total volume of groundwater purged: ≈ 5.1 gal.

Final Observations: Color Clear Odor Slight Sheen/Free Product None

Sample ID: PMW-205-101916; DWP-001-101916 Sample Time: 1410

Analytical Parameters:

VOCs by USEPA Method 8260C, 1,4-dioxane by USEPA Method 8270D Sim

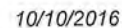
Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services
250 ml	Amber Glass	4	No	None	Pace Analytical Services/ALS

Notes: Pumped at 30-40 PSI to obtain 275-76/min

Collect DUP-001 (1,4-dioxane)

Smartvoil WQ Medtr ID: FA01327, Lamotte 2020 we Turbiditi Medtr ID: FA01463

MiniRAE 3000 PID ID: FA01873



Low Flow Groundwater Sampling Log

Well ID:	OMW-213
Northing:	1358206.0
Easting:	744749.5

Site Name:	Dewey Loeffel Landfill
Site Location:	Nassau, NY
Project #:	60994.200.016

Sampling Method:	Bladder Pump
Equipment Used:	Not Applicable
Pump/Controller ID#:	Not Applicable

Field Personnel: JMS
Date: 10/17/16
Weather: ± 20's, Sunny

Well information:

Installed Depth of Well*:	85.27	ft. bmp.
Measured Depth of Well*:	84.9	ft. bmp.
Depth to Water*:	Dry	ft.
Length of Water Column (LWC):	—	in.
Well Diameter:	4.0	in.

Well Volume Multipliers:

- ☐ 1 in. = 0.041 gal/ft
- ☐ 2 in. = 0.163 gal/ft
- ☐ 4 in. = 0.653 gal/ft
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: NA gal.

Pump Intake Depth*: 74.07 ft, bmp.

Start Purge Time:

[illegible][illegible]

End Purge Time:

DO Titration = _____ mg/L

Total volume of groundwater purged: gal.

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

Sample ID: _____ Sample Time: _____

Analytical Parameters:

VOCs by USEPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services

Notes: Well Measured by. No Samples collected.

Low Flow Groundwater Sampling Log

Well ID: OMW-214

Northing: 1357690.4

Easting: 745316.7

Site Name: Dewey Loeffel Landfill

Sampling Method: Bladder Pump

Field Personnel: ROH

Site Location: Nassau, NY

Equipment Used: Bladder Pump

Date: 10/20/16

Project #: 60994.200.016

Pump/Controller ID#: FA02070

Weather: $\pm 60^{\circ}\text{S}$, Sunny

Well information:

Installed Depth of Well*: 110.3 ft. bmp.

Measured Depth of Well*: 91.1 ft. bmp.

Depth to Water*: 41.95 ft

Length of Water Column (LWC): 49.15 in

Well Diameter: 4.0 in

Well Volume Multipliers:

□ 1 in. = 0.041 gal/ft

□ 2 in. = 0.163 gal/ft

□ 4 in. = 0.653 gal/ft

□ 6 in. = 1.469 gal/ft

□ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing

☐ Protective Casing

☐ Other:Well Volume: NA gal.

Pump Intake Depth*: 96.44 ft. bmp.

Start Purge Time: 1123

Initial Observations: Color Clear Odor None Sheen/Free Product None

indicate units

[illegible]

End Purge Time: 1208

DO Titration = NA mg/L

Total volume of groundwater purged: ~ 3.0 gal.

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

Sample ID: OMW-214-102016; OMW-214-102016-MS/MSO Sample Time: 1230

Analytical Parameters:

VOCs by USEPA Method 8260C, 1,4-dioxane by USEPA Method 8270D *514*

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services
250 ml	Amber Glass	6	No	None	Pace Analytical Services/ALS

Notes:

Collect 1,4-dioxane MS/MSD

AquaTron 600 Multiparameter Sonde WQ Meter 10: FA02560 MiniRAE3000 P.D 10: FA01873
Lamotte 2020m Turbidity Meter 1D: FA02066

Low Flow Groundwater Sampling Log

Well ID:	OMW-215
Northing:	1358322.0
Easting:	744513.5

Site Name:	Dewey Loeffel Landfill
Site Location:	Nassau, NY
Project #:	60994.200.016

Sampling Method: Bladder Pump
Equipment Used: Smart TROLL / Luer
Pump/Controller ID#: FA00990

Field Personnel: Tom Sullivan
Date: 10/19/10
Weather: 68°F Mostly Cloudy

Well information:

Installed Depth of Well*:	243.5	ft. bmp.
Measured Depth of Well*:	242.48	ft. bmp.
Depth to Water*:	084.65	ft. 84.65 ft
Length of Water Column (LWC):	157.83	in.
Well Diameter:	1.0	in.

Well Volume Multipliers:

- ☒ 1 in. = 0.041 gal/ft
- ☐ 2 in. = 0.163 gal/ft
- ☐ 4 in. = 0.653 gal/ft
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☐ Well Casing
☐ Protective Casing
☒ Other:

Well Volume: 4,971 gal.

Pump Intake Depth*:	224.97	ft. bmp.

Start Purge Time: 1025

Initial Observations: Color brown/black Odor slight odor Sheen/Free Product free product/sheen present
 indicate units

[illegible]

Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$

End Purge Time: 1040

DO Titration = NA mg/L

Total volume of groundwater purged: 24.7 gal.

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

Sample ID: 0mw-215-101916 Sample Time: 1144

Analytical Parameters:

VOCs by USEPA Method 8260C, 1,4-dioxane by USEPA Method 8270D 5M

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services
250 ml	Amber Glass	2	No	None	Pace Analytical Services/ALS

Notes: Started purging and flow slowed down even though pressure was increased over 60-70 PSI. Pulled pump up and found excessive sediment had clogged screen. Cleaned screen and checked pump assembly. Flow recovered and purging went well.

Small trail WQ Meter ID: FA01327, Lamah ZONE Turbidity Meter ID: FA01463, Mini PAF 3000 PID ID: FA01873

Low Flow Groundwater Sampling Log

Well ID:	OMW-218
Northing:	1358581.3
Easting:	744234.9

Site Name:	Dewey Loeffel Landfill
Site Location:	Nassau, NY
Project #:	60994.200.016

Sampling Method:	Bladder Pump
Equipment Used:	Bladder Pump
Pump/Controller ID#:	FA02636

Field Personnel: ROH
Date: 10/18/16
Weather: ± 70's, Sunny

Well information:

Installed Depth of Well*:	256.47	ft. bmp.
Measured Depth of Well*:	254.94	ft. bmp.
Depth to Water*:	69.50	ft.
Length of Water Column (LWC):	185.44	in.
Well Diameter:	1.0	in.

Well Volume Multipliers:

- ☐ 1 in. = 0.041 gal/ft
- ☐ 2 in. = 0.163 gal/ft
- ☐ 4 in. = 0.653 gal/ft
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: NA gal.

Pump Intake Depth*:	248.20	ft. bmp.

Start Purge Time: 0943

Initial Observations: Color Clear Odor None Sheen/Free Product None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (μS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other PID (ppm)
0	69.64	12.10	9.73	462.62	113.1	9.74	3.9	100	0.0
5	69.74	14.17	9.59	434.10	-204.4	1.43	12.4	100	0.0
10	69.76	12.93	9.58	432.17	-306.0	0.45	12.4	100	0.0
15	69.78	12.71	9.53	414.43	-252.1	0.30	3.5	100	0.0
20	69.78	12.53	9.52	413.67	-220.3	0.25	2.2	100	0.0
25	69.75	12.53	9.53	412.85	-206.5	0.20	1.5	100	0.0
30	69.70	12.41	9.53	412.77	-200.4	0.19	1.6	100	0.0
35	69.71	12.44	9.53	414.54	-193.6	0.18	1.6	100	0.0
40	69.90	12.51	9.53	417.47	-187.8	0.18	1.5	100	0.0
45	69.81	12.57	9.53	417.49	-188.1	0.17	1.4	100	0.0
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 \text{ mV}$	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$	

End Purge Time: 1028

DO Titration = NA mg/L

Total volume of groundwater purged: ~ 2.0 gal.

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

Sample ID: OMW-218-101816

Sample Time: 1040

Analytical Parameters:

VOCs by USEPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services

Notes: AquaTroll 600 Multiparameter WQ Meter ID: FA02360

Mini RAE 3000 AD ID: FA01971

Lamotte 2020 w/turbidity Meter ID: FA02066

Low Flow Groundwater Sampling Log

Well ID:	OMW-219
Northing:	1358221.1
Easting:	744773.9

Site Name:	Dewey Loeffel Landfill
Site Location:	Nassau, NY
Project #:	60994.200.016

Sampling Method: Bladder Pump
Equipment Used: Not Applicable
Pump/Controller ID#: Not Applicable

Field Personnel: JMS
Date: 10/17/16
Weather: $\pm 70^{\circ}\text{F}$, Sunny

Well information:

Installed Depth of Well*: 1024 268.18 ft. bmp.
Measured Depth of Well*: 268 268.18 ft. bmp.
Depth to Water*: 72.51 ft.
Length of Water Column (LWC): 195.67 in.
Well Diameter: 1.0 in.

Well Volume Multipliers:

- ☐ 1 in. = 0.041 gal/ft
- ☐ 2 in. = 0.163 gal/ft
- ☐ 4 in. = 0.653 gal/ft
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: NA gal.

Pump Intake Depth*:	247.18	ft. bmp.

Start Purge Time:

Initial Observations: Color _____ Odor _____ Sheen/Free Product _____
indicate units

[illegible]

End Purge Time:

Total volume of groundwater purged: _____ gal.

DO Titration = _____ mg/L

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

Sample ID: _____ Sample Time: _____

Analytical Parameters:

VOCs by USEPA Method 8260C, 1,4-dioxane by USEPA Method 8270D

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services
250 ml	Amber Glass	2	No	None	Pace Analytical Services/ALS

Notes: Well is suspected of formation collapse - No samples collected

Low Flow Groundwater Sampling Log

Well ID:	OMW-221
Northing:	1356144.7
Easting:	745353.3

Site Name:	Dewey Loeffel Landfill
Site Location:	Nassau, NY
Project #:	60994.200.016

Sampling Method: Not Applicable
Equipment Used: Not Applicable
Pump/Controller ID#: Not Applicable

Field Personnel: ROH
Date: 10/19/16
Weather: ± 60's, Partly Cloudy

Well information:

Installed Depth of Well*:	143.22	ft. bmp.
Measured Depth of Well*:	142.22	ft. bmp.
Depth to Water*:	—	ft.
Length of Water Column (LWC):	142.22	in.
Well Diameter:	2.0	in.

Well Volume Multipliers:

- ☐ 1 in. = 0.041 gal/ft
- ☐ 2 in. = 0.163 gal/ft
- ☐ 4 in. = 0.653 gal/ft
- ☐ 6 in. = 1.469 gal/ft
- ☐ 8 in. = 2.611 gal/ft

* Measurement Point:

☒ Well Casing
☐ Protective Casing
☐ Other:

Well Volume: NA gal.

Pump Intake Depth*:	113.22	ft. bmp.

Start Purge Time: 0927

Initial Observations: Color Clear Odor None Sheen/Free Product None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ($\mu S/cm$)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other P.O. (ppm)
0	-	13.31	7.82	411.56	94.3	0.38	5.9	300	0.0
5	-	12.16	7.98	409.58	-76.2	0.02	4.6	400	0.0
10	-	11.82	7.90	412.71	-113.5	0.00	4.4	300	0.0
15	-	11.82	7.88	413.56	-133.1	0.00	3.5	300	0.0
20	-	11.86	7.90	414.38	-145.7	0.00	3.8	300	0.0
25	-	11.86	7.92	414.91	-159.0	0.00	3.8	275	0.0
30	-	11.77	7.94	414.69	-168.1	0.00	3.4	300	0.0
35	-	11.72	7.97	414.39	-171.4	0.00	3.5	300	0.0
40	-	11.71	7.98	414.15	-175.8	0.00	3.4	300	0.0
45	-	11.70	7.99	414.05	-176.2	0.00	3.3	300	0.0
50	-	11.62	8.00	413.41	-181.6	0.00	3.0	300	0.0
55	-	11.55	8.01	413.21	-184.5	0.00	3.0	300	0.0
60	-	11.53	8.01	413.00	-184.4	0.00	2.8	300	0.0
Stabilization	$\Delta \leq 0.3'$	$\pm 3\%$	± 0.1	$\pm 3\%$	$\pm 10 mV$	$\pm 10\%$	$\pm 10\%$	$100 \leq X \leq 500$	

End Purge Time: 1120

DO Titration = NA mg/L

Total volume of groundwater purged: ~ 30.0 gal.

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

Sample ID: OMW-221-101916

Sample Time: 1125

Analytical Parameters:

VOCs by USEPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical Services

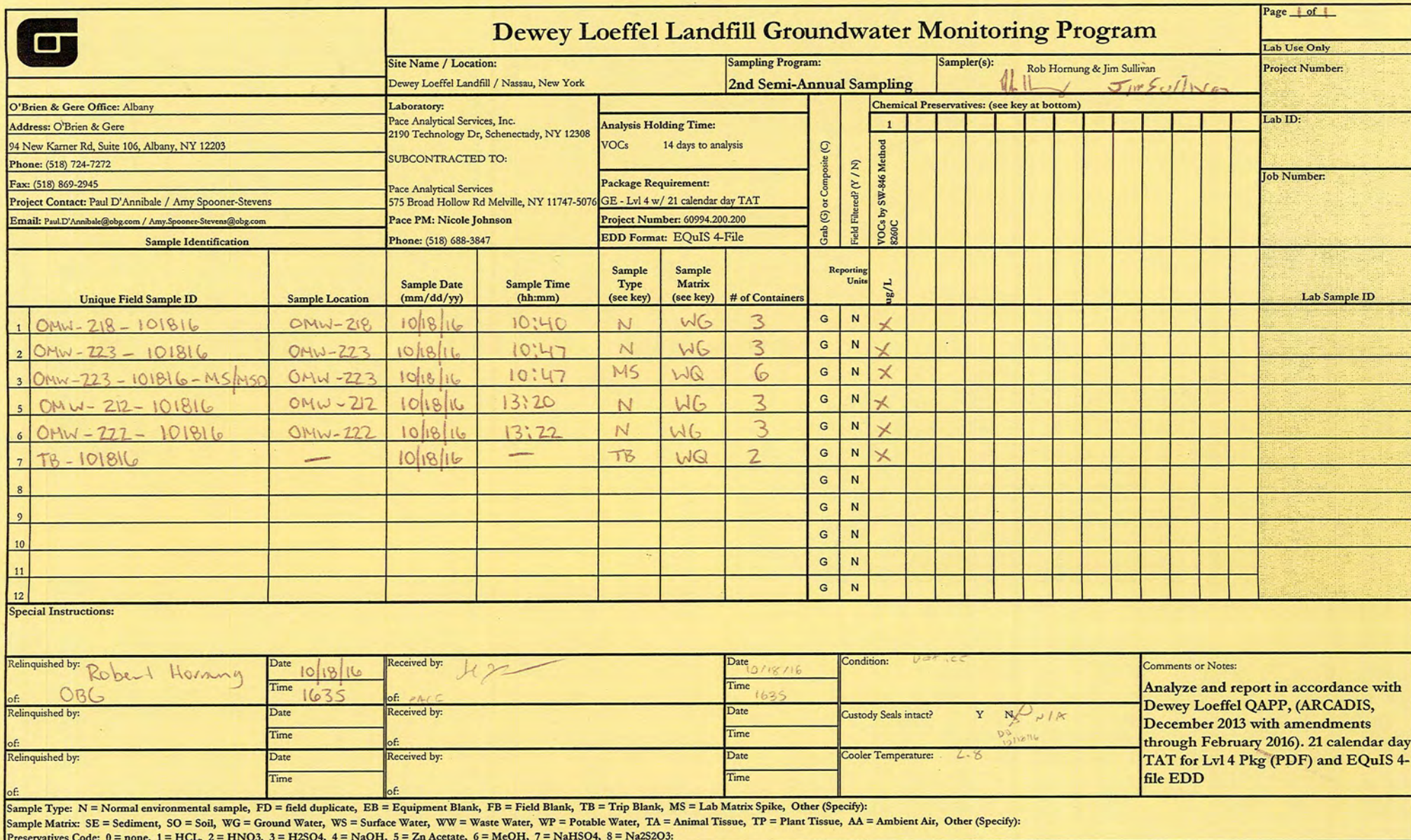
Notes:

WELL IS ARTESIAN - PURGE 1 WELL VOLUME FIRST PRIOR TO LOW-FLOW SAMPLING

Measured Depth to Water with pressure fitting 30" H₂O

AgaveTrill (G0) Multiparameter WQMedia ID: FA02560, MiniRAE 3000 PID ID: FA01871,
Laborite 2020 we Turbidity Media ID: FA02060

**Fall 2016 Groundwater
Sample Chain-of-Custody
Forms**





Dewey Loeffel Landfill Groundwater Monitoring Program

Page 1 of 1

Lab Use Only

Site Name / Location:

Dewey Loeffel Landfill / Nassau, New York

Sampling Program:

2nd Semi-Annual Sampling

Sampler(s):

Rob Hornung & Jim Sullivan

Project Number:

O'Brien & Gere Office: Albany

Address: O'Brien & Gere

94 New Karner Rd, Suite 106, Albany, NY 12203

Phone: (518) 724-7272

Fax: (518) 869-2945

Project Contact: Paul D'Annibale / Amy Spooner-Stevens

Email: Paul.D'Annibale@obg.com / Amy.Spooner-Stevens@obg.com

Laboratory:

Pace Analytical Services, Inc.

2190 Technology Dr, Schenectady, NY 12308

SUBCONTRACTED TO:

ALS Environmental

1565 Jefferson Rd, Bldg 300, Ste 360,

Rochester, NY 14623

Pace PM: Nicole Johnson

Phone: (518) 688-3847

SUBCONTRACT TO ALS

Analysis Holding Time:

1,4-Dioxane: 7 days to extraction

40 days to analysis

Package Requirement:

GE - Lvl 4 w/ 21 calendar day TAT

Project Number: 60994.200.200

EDD Format: EQuIS 4-File

Grab (G) or Composite (C)

Field Filtered (F) or Not (N)

Low Level 1,4-Dioxane by SW-846 Method 8270D SIM

Chemical Preservatives: (see key at bottom)

0

Sample Identification

Unique Field Sample ID	Sample Location	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (see key)	Sample Matrix (see key)	# of Containers	Reporting Units	ug/L	Lab Sample ID
1 OMW-215-101916	OMW-215	10/19/16	11:44	N	WG	2	G N	X	
2 OMW-205-101916	OMW-205	10/19/16	14:10	N	WG	2	G N	X	
3 DUP-001-101916	---	10/19/16	---	FD	WG	2	G N	X	
4							G N		
5							G N		
6							G N		
7							G N		
8							G N		
9							G N		
10							G N		
11							G N		
12							G N		

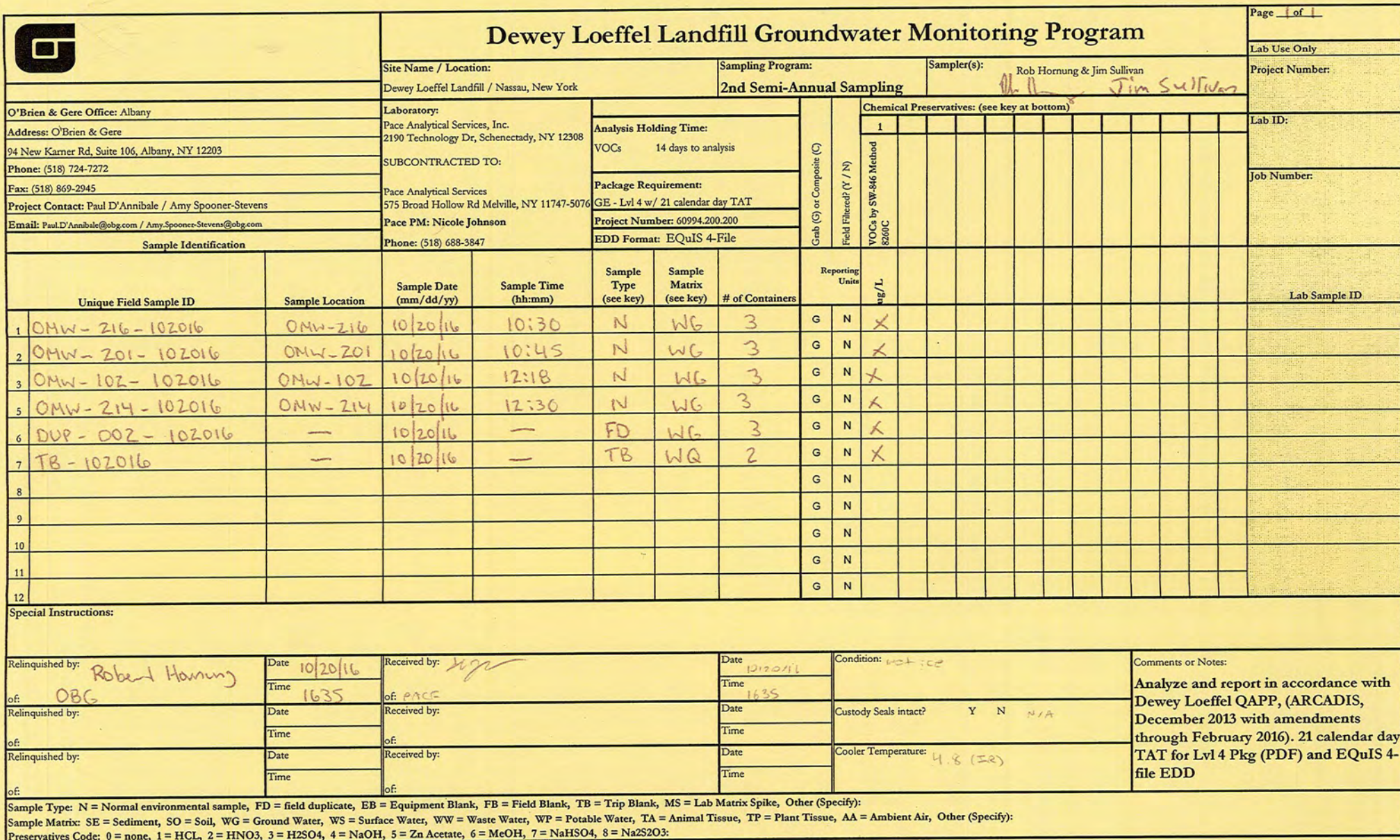
Special Instructions:

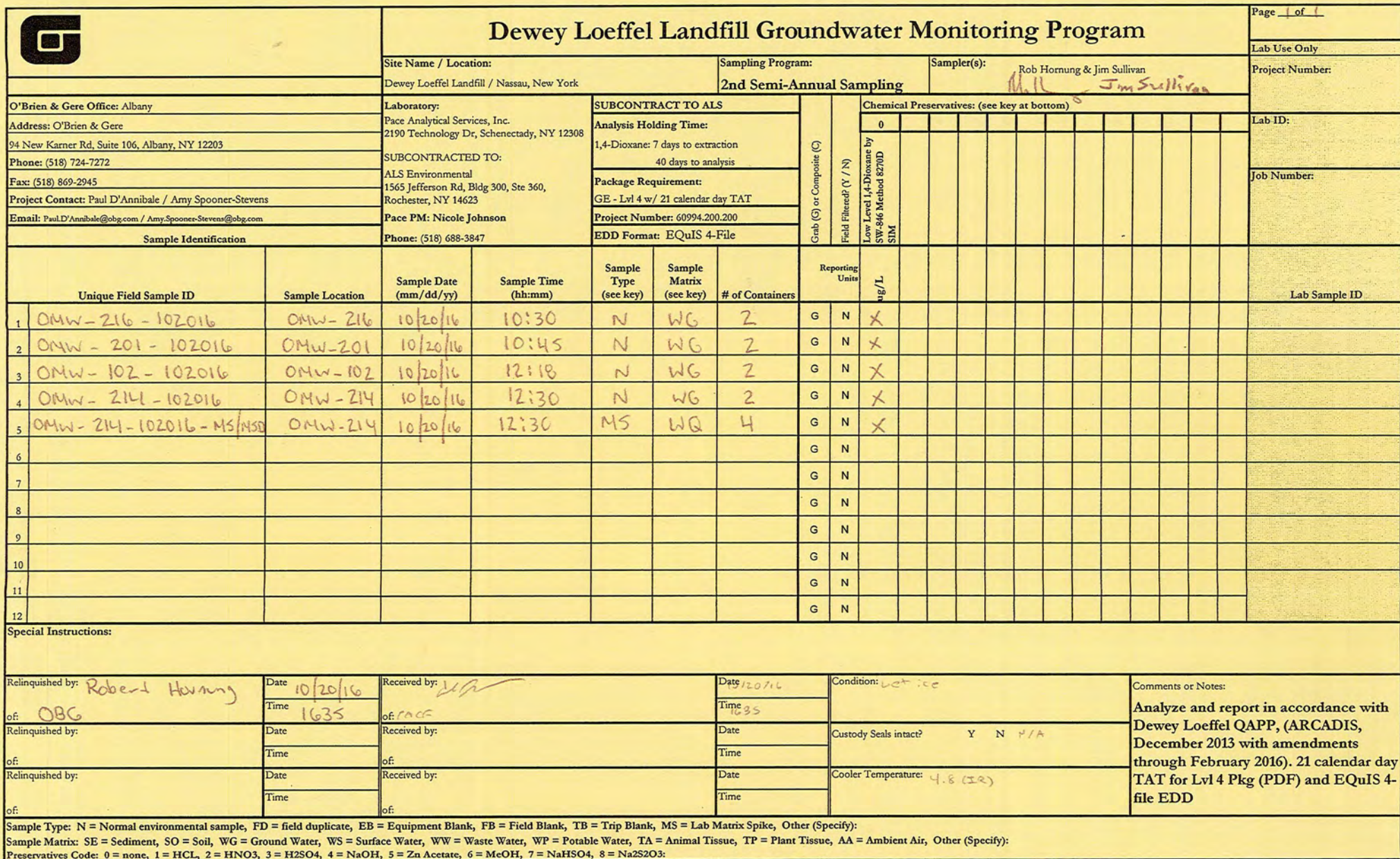
Relinquished by: Robert Hornung	Date: 10/19/16	Received by: [Signature]	Date: 10/19/16	Condition: [Signature]	Comments or Notes:
of: ORC	Time: 1770	of: PACE	Time: 1720		
Relinquished by:	Date:	Received by:	Date:	Custody Seals intact? Y N N/A	Analyze and report in accordance with Dewey Loeffel QAPP, (ARCADIS, December 2013 with amendments through February 2016). 21 calendar day TAT for Lvl 4 Pkg (PDF) and EQuIS 4-file EDD
of:	Time:	of:	Time:		
Relinquished by:	Date:	Received by:	Date:	Cooler Temperature: 14.2 (50)	
of:	Time:	of:	Time:		

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

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

Preservatives Code: 0 = none, 1 = HCL, 2 = HNO3, 3 = H2SO4, 4 = NaOH, 5 = Zn Acetate, 6 = MeOH, 7 = NaHSO4, 8 = Na2S2O3:





**2016 Groundwater
Sampling Laboratory
Result Forms**

**Spring 2016 Laboratory
Result Forms**

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-102

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-001ASample wt/vol: 5(g/mL) mLLab File ID: H7832.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) μg/L

Q

79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	1	U
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
76-13-1	Freon-113	1	U
67-64-1	Acetone	1	J
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	1	U
56-23-5	Carbon tetrachloride	1	U
~~71-43-2~~	~~Benzene~~	~~230~~	~~E~~
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U

Do not report benzene.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-102

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-001ASample wt/vol: 5(g/mL) mLLab File ID: H7832.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) μg/L

Q

124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	4	
100-41-4	Ethylbenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-102-DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462Matrix: (soil/water) WATERLab Sample ID: 1605K05-001ADLSample wt/vol: 5 (g/mL) mLLab File ID: H7849.DLevel: (low/med) LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 2.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
79-20-9	Methyl Acetate	2	U
108-87-2	Methylcyclohexane	2	U
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
76-13-1	Freon-113	2	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	2	U
75-09-2	Methylene chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
1634-04-4	Methyl tert-butyl ether	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	2	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	2	U
71-55-6	1,1,1-Trichloroethane	2	U
110-82-7	Cyclohexane	2	U
56-23-5	Carbon tetrachloride	2	U
71-43-2	Benzene	260	D
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	2	U
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-pentanone	2	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U

Only report benzene.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-102-DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462Matrix: (soil/water) WATERLab Sample ID: 1605K05-001ADLSample wt/vol: 5 (g/mL) mLLab File ID: H7849.DLevel: (low/med) LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 2.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	5	D
100-41-4	Ethylbenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
179601-23-1	m,p-Xylene	2	U
95-47-6	o-Xylene	2	U
100-42-5	Styrene	2	U
75-25-2	Bromoform	2	U
98-82-8	Isopropylbenzene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
108-86-1	Bromobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U

Do not report.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-001
(blind dup of OMW-102)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-005ASample wt/vol: 5(g/mL) mLLab File ID: H7847.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) µg/L

Q

79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	1	U
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
76-13-1	Freon-113	1	U
67-64-1	Acetone	1	J
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	1	U
56-23-5	Carbon tetrachloride	1	U
~~71-43-2~~	~~Benzene~~	~~220~~	~~U~~
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U

Do not report benzene.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-001
(blind dup of OMW-102)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-005ASample wt/vol: 5(g/mL) mLLab File ID: H7847.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) µg/L

Q

124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	4	
100-41-4	Ethylbenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-001DL
(blind dup of OMW-102)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-005ADLSample wt/vol: 5(g/mL) mLLab File ID: H7851.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 2.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
79-20-9	Methyl Acetate	2	U
108-87-2	Methylcyclohexane	2	U
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
76-13-1	Freon-113	2	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	2	U
75-09-2	Methylene chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
1634-04-4	Methyl tert-butyl ether	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	2	U
74-97-5	Bromochloromethane	2	U
67-86-3	Chloroform	2	U
71-55-6	1,1,1-Trichloroethane	2	U
110-82-7	Cyclohexane	2	U
56-23-5	Carbon tetrachloride	2	U
71-43-2	Benzene	230	D
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	2	U
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-pentanone	2	U
108-88-3	Toluene	2	U
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U

Only report benzene.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-001DL
(blind dup of OMW-102)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATER

Lab Sample ID:

1605K05-005ADLSample wt/vol: 5(g/mL) mL

Lab File ID:

H7851.D

Level: (low/med)

LOW

Date Received:

05/21/16

% Moisture: not dec.

Date Analyzed:

05/27/16GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

2.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____

(μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) μg/L

Q

124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	4	D
100-41-4	Ethylbenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
179601-23-1	m,p-Xylene	2	U
95-47-6	o-Xylene	2	U
100-42-5	Styrene	2	U
75-25-2	Bromoform	2	U
98-82-8	Isopropylbenzene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
108-86-1	Bromobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U

Do not report.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-201

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-002ASample wt/vol: 5(g/mL) mLLab File ID: H7834.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 20.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) μg/L

Q

79-20-9	Methyl Acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl chloride	20	U
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	26	
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	Freon-113	20	U
67-64-1	Acetone	100	U
75-15-0	Carbon disulfide	20	U
75-09-2	Methylene chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-butyl ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	20	U
78-93-3	2-Butanone	20	U
74-97-5	Bromochloromethane	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	20	U
56-23-5	Carbon tetrachloride	20	U
~~71-43-2~~	~~Benzene~~	~~14000~~	~~E~~
107-06-2	1,2-Dichloroethane	20	U
79-01-6	Trichloroethene	20	U
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	20	U
108-88-3	Toluene	1700	
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	20	U
591-78-6	2-Hexanone	100	U

Do not report benzene.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-201

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-002ASample wt/vol: 5(g/mL) mLLab File ID: H7834.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 20.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) µg/L

Q

124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	2500	
100-41-4	Ethylbenzene	160	
630-20-6	1,1,1,2-Tetrachloroethane	20	U
179601-23-1	m,p-Xylene	310	
95-47-6	o-Xylene	55	
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-86-1	Bromobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
87-61-6	1,2,3-Trichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-201DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-002ADLSample wt/vol: 5(g/mL) mLLab File ID: H7850.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 200.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) μg/L

Q

79-20-9	Methyl Acetate	200	U
108-87-2	Methylcyclohexane	200	U
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	200	U
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	Freon-113	200	U
67-64-1	Acetone	1000	U
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	200	U
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	26000	D
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	1400	D
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	200	U
591-78-6	2-Hexanone	1000	U

Only report benzene.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-201DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATER

Lab Sample ID:

1605K05-002ADL

Sample wt/vol:

5(g/mL) mL

Lab File ID:

H7850.D

Level: (low/med)

LOW

Date Received:

05/21/16

% Moisture: not dec.

Date Analyzed:

05/27/16GC Column: Rtx-624ID: .18

(mm)

Dilution Factor:

200.00

Soil Extract Volume:

(µL)

Soil Aliquot Volume

(µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) µg/L

Q

124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	2300	D
100-41-4	Ethylbenzene	200	U
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	210	D
95-47-6	o-Xylene	200	U
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-86-1	Bromobenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
87-61-6	1,2,3-Trichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

Do not report.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-205

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-003ASample wt/vol: 5(g/mL) mLLab File ID: H7833.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) μg/L

Q

79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	1	U
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
76-13-1	Freon-113	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	6	
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	2	
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-205

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-003ASample wt/vol: 5(g/mL) mLLab File ID: H7833.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(μg/L or μg/Kg) μg/L

Q

124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	120	
100-41-4	Ethylbenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	
87-61-6	1,2,3-Trichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-215

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-004ASample wt/vol: 5(g/mL) mLLab File ID: H7848.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) µg/L

Q

79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	1	U
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
76-13-1	Freon-113	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	1	U
56-23-5	Carbon tetrachloride	1	U
~~71-43-2~~	~~Benzene~~	~~220~~	~~U~~
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	1	U
108-88-3	Toluene	3	
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U

Do not report benzene.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-215

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-004ASample wt/vol: 5(g/mL) mLLab File ID: H7848.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) µg/L

Q

124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	4	
100-41-4	Ethylbenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-215DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-004ADLSample wt/vol: 5(g/mL) mLLab File ID: H7852.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 2.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____

(μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) μg/L	Q
79-20-9	Methyl Acetate	2	U
108-87-2	Methylcyclohexane	2	U
75-71-8	Dichlorodifluoromethane	2	U
74-87-3	Chloromethane	2	U
75-01-4	Vinyl chloride	2	U
74-83-9	Bromomethane	2	U
75-00-3	Chloroethane	2	U
75-69-4	Trichlorofluoromethane	2	U
75-35-4	1,1-Dichloroethene	2	U
76-13-1	Freon-113	2	U
67-64-1	Acetone	10	U
75-15-0	Carbon disulfide	2	U
75-09-2	Methylene chloride	2	U
156-60-5	trans-1,2-Dichloroethene	2	U
1634-04-4	Methyl tert-butyl ether	2	U
75-34-3	1,1-Dichloroethane	2	U
156-59-2	cis-1,2-Dichloroethene	2	U
78-93-3	2-Butanone	2	U
74-97-5	Bromochloromethane	2	U
67-66-3	Chloroform	2	U
71-55-6	1,1,1-Trichloroethane	2	U
110-82-7	Cyclohexane	2	U
56-23-5	Carbon tetrachloride	2	U
71-43-2	Benzene	210	D
107-06-2	1,2-Dichloroethane	2	U
79-01-6	Trichloroethene	2	U
78-87-5	1,2-Dichloropropane	2	U
75-27-4	Bromodichloromethane	2	U
10061-01-5	cis-1,3-Dichloropropene	2	U
108-10-1	4-Methyl-2-pentanone	2	U
108-88-3	Toluene	3	D
10061-02-6	trans-1,3-Dichloropropene	2	U
79-00-5	1,1,2-Trichloroethane	2	U
127-18-4	Tetrachloroethene	2	U
591-78-6	2-Hexanone	10	U

Only report benzene.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

OMW-215DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-004ADLSample wt/vol: 5(g/mL) mLLab File ID: H7852.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 2.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) µg/L	Q
124-48-1	Dibromochloromethane	2	U
106-93-4	1,2-Dibromoethane	2	U
108-90-7	Chlorobenzene	4	D
100-41-4	Ethylbenzene	2	U
630-20-6	1,1,1,2-Tetrachloroethane	2	U
179601-23-1	m,p-Xylene	2	U
95-47-6	o-Xylene	2	U
100-42-5	Styrene	2	U
75-25-2	Bromoform	2	U
98-82-8	Isopropylbenzene	2	U
79-34-5	1,1,2,2-Tetrachloroethane	2	U
108-86-1	Bromobenzene	2	U
541-73-1	1,3-Dichlorobenzene	2	U
106-46-7	1,4-Dichlorobenzene	2	U
87-61-6	1,2,3-Trichlorobenzene	2	U
95-50-1	1,2-Dichlorobenzene	2	U
96-12-8	1,2-Dibromo-3-chloropropane	2	U
120-82-1	1,2,4-Trichlorobenzene	2	U

Do not report.

AMSS 6/9/2016

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-051716

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-006ASample wt/vol: 5(g/mL) mLLab File ID: H7822.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/26/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>μg/L</u>	Q
79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	1	U
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1	U
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	U
76-13-1	Freon-113	1	U
67-64-1	Acetone	5	U
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	1	U
156-59-2	cis-1,2-Dichloroethene	1	U
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	1	U
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	1	U
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	1	U
78-87-5	1,2-Dichloropropane	1	U
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	1	U
108-88-3	Toluene	1	U
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

TB-051716

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY462

Matrix: (soil/water)

WATERLab Sample ID: 1605K05-006ASample wt/vol: 5(g/mL) mLLab File ID: H7822.D

Level: (low/med)

LOWDate Received: 05/21/16

% Moisture: not dec.

Date Analyzed: 05/26/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>μg/L</u>	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	1	U
95-47-6	o-Xylene	1	U
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	U
106-46-7	1,4-Dichlorobenzene	1	U
87-61-6	1,2,3-Trichlorobenzene	1	U
95-50-1	1,2-Dichlorobenzene	1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	1	U

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050402/Dewey Loeffel
Sample Matrix: Water
Sample Name: OMW-102-051716
Lab Code: R1605242-001

Service Request: R1605242
Date Collected: 5/17/16 1150
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	6.7		0.20	0.020	1	5/23/16	5/23/16 15:36	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	98	64-124	5/23/16 15:36	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050402/Dewey Loeffel
Sample Matrix: Water
Sample Name: OMW-201-051716
Lab Code: R1605242-002

Service Request: R1605242
Date Collected: 5/17/16 0930
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	2200		40	4.0	100	5/23/16	5/24/16 14:35	262031	497887	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	0 *	64-124	5/24/16 14:35	D

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050402/Dewey Loeffel
Sample Matrix: Water

Service Request: R1605242
Date Collected: 5/17/16
Date Received: 5/19/16

Sample Name: DUP-002-051716 (blind dup of OMW-201)
Lab Code: R1605242-005

Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	1800		20	2.0	100	5/23/16	5/24/16 14:53	262031	497887	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	0 *	64-124	5/24/16 14:53	D

AMSS 6/9/2016

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050402/Dewey Loeffel
Sample Matrix: Water
Sample Name: OMW-205-051716
Lab Code: R1605242-003

Service Request: R1605242
Date Collected: 5/17/16 0955
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	16		0.20	0.020	1	5/23/16	5/23/16 16:12	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	100	64-124	5/23/16 16:12	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050402/Dewey Loeffel
Sample Matrix: Water
Sample Name: OMW-215-051716
Lab Code: R1605242-004

Service Request: R1605242
Date Collected: 5/17/16 1225
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	11		0.20	0.020	1	5/23/16	5/23/16 17:05	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	97	64-124	5/23/16 17:05	

**Fall 2016 Laboratory
Result Forms**

ANALYTICAL RESULTS

Project: 16100398 DEWEY LOEFFEL

Pace Project No.: 702794

Sample: OMW-218-101816		Lab ID: 702794001		Collected: 10/18/16 10:40		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	108-10-1	
Acetone	<5.1	ug/L	5.0	1.0	1		10/27/16 01:05	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-69-4	

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Date: 11/30/2016 05:56 PM

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ANALYTICAL RESULTS

Project: 16100398 DEWEY LOEFFEL

Pace Project No.: 702794

Sample: OMW-218-101816		Lab ID: 702794001		Collected: 10/18/16 10:40		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/27/16 01:05	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:05	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	68-153		1		10/27/16 01:05	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124		1		10/27/16 01:05	460-00-4	
Toluene-d8 (S)	90	%	69-124		1		10/27/16 01:05	2037-26-5	

Sample: OMW-223-101816		Lab ID: 702794002		Collected: 10/18/16 10:47		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	87-61-6	M1
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/27/16 01:23	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	108-86-1	L3,M0
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-15-0	

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ANALYTICAL RESULTS

Project: 16100398 DEWEY LOEFFEL

Pace Project No.: 702794

Sample: OMW-223-101816 Lab ID: 702794002 Collected: 10/18/16 10:47 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/27/16 01:23	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 01:23	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	68-153		1		10/27/16 01:23	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124		1		10/27/16 01:23	460-00-4	
Toluene-d8 (S)	90	%	69-124		1		10/27/16 01:23	2037-26-5	

Sample: OMW-212-101816 Lab ID: 702794003 Collected: 10/18/16 13:20 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	87-61-6	

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ANALYTICAL RESULTS

Project: 16100398 DEWEY LOEFFEL

Pace Project No.: 702794

Sample: OMW-212-101816 Lab ID: 702794003 Collected: 10/18/16 13:20 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	108-10-1	
Acetone	34.8	ug/L	5.0	1.0	1		10/27/16 00:47	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/27/16 00:47	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:47	10061-02-6	

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ANALYTICAL RESULTS

Project: 16100398 DEWEY LOEFFEL

Pace Project No.: 702794

Sample: OMW-212-101816		Lab ID: 702794003		Collected: 10/18/16 13:20		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%.	68-153		1		10/27/16 00:47	17060-07-0	
4-Bromofluorobenzene (S)	94	%.	79-124		1		10/27/16 00:47	460-00-4	
Toluene-d8 (S)	91	%.	69-124		1		10/27/16 00:47	2037-26-5	

Sample: OMW-222-101816		Lab ID: 702794004		Collected: 10/18/16 13:22		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/27/16 00:29	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	124-48-1	

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ANALYTICAL RESULTS

Project: 16100398 DEWEY LOEFFEL

Pace Project No.: 702794

Sample: OMW-222-101816 Lab ID: 702794004 Collected: 10/18/16 13:22 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/27/16 00:29	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:29	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	68-153		1		10/27/16 00:29	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124		1		10/27/16 00:29	460-00-4	
Toluene-d8 (S)	90	%	69-124		1		10/27/16 00:29	2037-26-5	

Sample: TB-101816 Lab ID: 702794005 Collected: 10/18/16 00:00 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	541-73-1	

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ANALYTICAL RESULTS

Project: 16100398 DEWEY LOEFFEL

Pace Project No.: 702794

Sample: TB-101816		Lab ID: 702794005		Collected: 10/18/16 00:00		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	108-10-1	
Acetone	1.9J	ug/L	5.0	1.0	1		10/26/16 20:18	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 20:18	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:18	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	68-153		1		10/26/16 20:18	17060-07-0	
4-Bromofluorobenzene (S)	92	%	79-124		1		10/26/16 20:18	460-00-4	
Toluene-d8 (S)	90	%	69-124		1		10/26/16 20:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: OMW-202-101916		Lab ID: 702795001		Collected: 10/19/16 10:02		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/26/16 23:00	67-64-1	
Benzene	9.6	ug/L	1.0	0.50	1		10/26/16 23:00	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-69-4	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: OMW-202-101916		Lab ID: 702795001		Collected: 10/19/16 10:02		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 23:00	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:00	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%	68-153		1		10/26/16 23:00	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124		1		10/26/16 23:00	460-00-4	
Toluene-d8 (S)	90	%	69-124		1		10/26/16 23:00	2037-26-5	

Sample: OMW-221-101916		Lab ID: 702795002		Collected: 10/19/16 11:25		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/26/16 23:18	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-15-0	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: OMW-221-101916 Lab ID: 702795002 Collected: 10/19/16 11:25 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	108-88-3	
Trichloroethene	2.2	ug/L	1.0	0.50	1		10/26/16 23:18	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 23:18	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:18	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	92	%	68-153		1		10/26/16 23:18	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124		1		10/26/16 23:18	460-00-4	
Toluene-d8 (S)	91	%	69-124		1		10/26/16 23:18	2037-26-5	

Sample: OMW-215-101916 Lab ID: 702795003 Collected: 10/19/16 11:44 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	87-61-6	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: OMW-215-101916		Lab ID: 702795003		Collected: 10/19/16 11:44		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/26/16 23:36	67-64-1	
Benzene	161	ug/L	1.0	0.50	1		10/26/16 23:36	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	56-23-5	
Chlorobenzene	3.5	ug/L	1.0	0.50	1		10/26/16 23:36	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	127-18-4	
Toluene	2.7	ug/L	1.0	0.50	1		10/26/16 23:36	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 23:36	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:36	10061-02-6	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: OMW-215-101916		Lab ID: 702795003		Collected: 10/19/16 11:44		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%.	68-153		1		10/26/16 23:36	17060-07-0	
4-Bromofluorobenzene (S)	94	%.	79-124		1		10/26/16 23:36	460-00-4	
Toluene-d8 (S)	91	%.	69-124		1		10/26/16 23:36	2037-26-5	

Sample: OMW-205-101916		Lab ID: 702795004		Collected: 10/19/16 14:10		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	541-73-1	
1,4-Dichlorobenzene	1.4	ug/L	1.0	0.50	1		10/26/16 23:54	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	108-10-1	
Acetone	< 5.1	ug/L	5.0	1.0	1		10/26/16 23:54	67-64-1	
Benzene	2.6	ug/L	1.0	0.50	1		10/26/16 23:54	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	56-23-5	
Chlorobenzene	125	ug/L	1.0	0.50	1		10/26/16 23:54	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	124-48-1	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: OMW-205-101916 Lab ID: 702795004 Collected: 10/19/16 14:10 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	75-69-4	
Vinyl chloride	1.5	ug/L	1.0	0.50	1		10/26/16 23:54	75-01-4	
cis-1,2-Dichloroethene	6.8	ug/L	1.0	0.50	1		10/26/16 23:54	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 23:54	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 23:54	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	68-153		1		10/26/16 23:54	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124		1		10/26/16 23:54	460-00-4	
Toluene-d8 (S)	89	%	69-124		1		10/26/16 23:54	2037-26-5	

Sample: OMW-103-101916 Lab ID: 702795005 Collected: 10/19/16 14:35 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	541-73-1	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: OMW-103-101916		Lab ID: 702795005		Collected: 10/19/16 14:35		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	108-10-1	
Acetone	<5.0 ~~2.43~~	ug/L	5.0	1.0	1		10/27/16 00:12	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	127-18-4	
Toluene	7.6	ug/L	1.0	0.50	1		10/27/16 00:12	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/27/16 00:12	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 00:12	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	68-153		1		10/27/16 00:12	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124		1		10/27/16 00:12	460-00-4	
Toluene-d8 (S)	90	%	69-124		1		10/27/16 00:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: TB-101916		Lab ID: 702795006		Collected: 10/19/16 00:00		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	108-10-1	
Acetone	2.13	ug/L	5.0	1.0	1		10/26/16 20:36	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-69-4	

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ANALYTICAL RESULTS

Project: 16100392 DEWEY LOEFFEL

Pace Project No.: 702795

Sample: TB-101916		Lab ID: 702795006		Collected: 10/19/16 00:00		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 20:36	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 20:36	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%.	68-153		1		10/26/16 20:36	17060-07-0	
4-Bromofluorobenzene (S)	93	%.	79-124		1		10/26/16 20:36	460-00-4	
Toluene-d8 (S)	89	%.	69-124		1		10/26/16 20:36	2037-26-5	

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: OMW-216-102016		Lab ID: 702793001		Collected: 10/20/16 10:30		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/27/16 10:31	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	56-23-5	
Chlorobenzene	4.2	ug/L	1.0	0.50	1		10/27/16 10:31	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.50	1		10/27/16 10:31	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-69-4	

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: OMW-216-102016		Lab ID: 702793001		Collected: 10/20/16 10:30		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	75-01-4	
cis-1,2-Dichloroethene	1.9	ug/L	1.0	0.50	1		10/27/16 10:31	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/27/16 10:31	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/27/16 10:31	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	95	%	68-153		1		10/27/16 10:31	17060-07-0	
4-Bromofluorobenzene (S)	94	%	79-124		1		10/27/16 10:31	460-00-4	
Toluene-d8 (S)	89	%	69-124		1		10/27/16 10:31	2037-26-5	

Sample: OMW-201-102016		Lab ID: 702793002		Collected: 10/20/16 10:45		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	630-20-6	UJ
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	541-73-1	
1,4-Dichlorobenzene	3.8	ug/L	1.0	0.50	1		10/26/16 12:36	106-46-7	J
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	78-93-3	UJ
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	591-78-6	UJ
4-Methyl-2-pentanone (MIBK)	8.3	ug/L	1.0	0.50	1		10/26/16 12:36	108-10-1	J
Acetone	51.9	ug/L	5.0	1.0	1		10/26/16 12:36	67-64-1	J
Benzene	21000	ug/L	500	250	500		10/26/16 15:59	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	108-86-1	UJ
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-15-0	

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: OMW-201-102016 Lab ID: 702793002 Collected: 10/20/16 10:45 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	56-23-5	UJ
Chlorobenzene	2250	ug/L	500	250	500		10/26/16 15:59	108-90-7	
Chloroethane	42.3	ug/L	1.0	0.50	1		10/26/16 12:36	75-00-3	J
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	67-66-3	UJ
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-71-8	
Ethylbenzene	<500	ug/L	500	250	500		10/26/16 15:59	100-41-4	
Isopropylbenzene (Cumene)	1.5	ug/L	1.0	0.50	1		10/26/16 12:36	98-82-8	J
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	79-20-9	UJ
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	127-18-4	
Toluene	15.6	ug/L	1.0	0.50	1		10/26/16 12:36	108-88-3	J
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	79-01-6	UJ
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	10061-01-5	
m&p-Xylene	<1000	ug/L	1000	500	500		10/26/16 15:59	179601-23-1	
o-Xylene	51.8	ug/L	1.0	0.50	1		10/26/16 12:36	95-47-6	J
trans-1,2-Dichloroethene	4.8	ug/L	1.0	0.50	1		10/26/16 12:36	156-60-5	J
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:36	10061-02-6	UJ
Surrogates									
1,2-Dichloroethane-d4 (S)	4	%	68-153		1		10/26/16 12:36	17060-07-0	S0
4-Bromofluorobenzene (S)	96	%	79-124		1		10/26/16 12:36	460-00-4	
Toluene-d8 (S)	95	%	69-124		1		10/26/16 12:36	2037-26-5	

Sample: OMW-102-102016 Lab ID: 702793003 Collected: 10/20/16 12:18 Received: 10/22/16 10:20 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	87-61-6	L3

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: OMW-102-102016		Lab ID: 702793003		Collected: 10/20/16 12:18		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/26/16 12:54	67-64-1	
Benzene	981	ug/L	10.0	5.0	10		10/26/16 14:27	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	74-83-9	UJ
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	56-23-5	
Chlorobenzene	18.0	ug/L	1.0	0.50	1		10/26/16 12:54	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 12:54	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 12:54	10061-02-6	

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: OMW-102-102016		Lab ID: 702793003		Collected: 10/20/16 12:18		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%.	68-153		1		10/26/16 12:54	17060-07-0	
4-Bromofluorobenzene (S)	91	%.	79-124		1		10/26/16 12:54	460-00-4	
Toluene-d8 (S)	89	%.	69-124		1		10/26/16 12:54	2037-26-5	

Sample: OMW-214-102016		Lab ID: 702793004		Collected: 10/20/16 12:30		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	87-61-6	L3
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	108-10-1	
Acetone	24.8	ug/L	5.0	1.0	1		10/26/16 13:11	67-64-1	
Benzene	5.8	ug/L	1.0	0.50	1		10/26/16 13:11	71-43-2	J
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	108-86-1	L3
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	74-83-9	UJ
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	56-23-5	
Chlorobenzene	2.4	ug/L	1.0	0.50	1		10/26/16 13:11	108-90-7	D6
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	67-66-3	
Chloromethane	1.5	ug/L	1.0	0.50	1		10/26/16 13:11	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	124-48-1	

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: OMW-214-102016		Lab ID: 702793004		Collected: 10/20/16 12:30		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 13:11	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:11	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	68-153		1		10/26/16 13:11	17060-07-0	
4-Bromofluorobenzene (S)	93	%	79-124		1		10/26/16 13:11	460-00-4	
Toluene-d8 (S)	89	%	69-124		1		10/26/16 13:11	2037-26-5	

Sample: DUP-002-102016 (blind dup of OMW-216)		Lab ID: 702793005		Collected: 10/20/16 00:01		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics Analytical Method: EPA 8260C/5030C									
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	87-61-6	L3
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	541-73-1	

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: DUP-002-102016 (blind dup of OMW-216)		Lab ID: 702793005		Collected: 10/20/16 00:01		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/26/16 13:29	67-64-1	
Benzene	3.1	ug/L	1.0	0.50	1		10/26/16 13:29	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	108-86-1	L3,M0
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	74-83-9	UJ
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	56-23-5	
Chlorobenzene	4.6	ug/L	1.0	0.50	1		10/26/16 13:29	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	108-88-3	
Trichloroethene	1.6	ug/L	1.0	0.50	1		10/26/16 13:29	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-69-4	
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	75-01-4	
cis-1,2-Dichloroethene	1.8	ug/L	1.0	0.50	1		10/26/16 13:29	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/26/16 13:29	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/26/16 13:29	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	93	%	68-153		1		10/26/16 13:29	17060-07-0	
4-Bromofluorobenzene (S)	95	%	79-124		1		10/26/16 13:29	460-00-4	
Toluene-d8 (S)	90	%	69-124		1		10/26/16 13:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: TB-102016		Lab ID: 702793006		Collected: 10/20/16 00:00		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	79-34-5	
1,1,2-Trichloroethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	79-00-5	
1,1,2-Trichlorotrifluoroethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	76-13-1	
1,1-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-34-3	
1,1-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-35-4	
1,2,3-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	87-61-6	
1,2,4-Trichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	120-82-1	
1,2-Dibromo-3-chloropropane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	96-12-8	
1,2-Dibromoethane (EDB)	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	95-50-1	
1,2-Dichloroethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	107-06-2	
1,2-Dichloropropane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	78-87-5	
1,3-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	541-73-1	
1,4-Dichlorobenzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	106-46-7	
2-Butanone (MEK)	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	78-93-3	
2-Hexanone	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	108-10-1	
Acetone	<5.0	ug/L	5.0	1.0	1		10/28/16 13:37	67-64-1	
Benzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	71-43-2	
Bromobenzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	108-86-1	
Bromochloromethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	74-97-5	
Bromodichloromethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-27-4	
Bromoform	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-25-2	
Bromomethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	74-83-9	
Carbon disulfide	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-15-0	
Carbon tetrachloride	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	56-23-5	
Chlorobenzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	108-90-7	
Chloroethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-00-3	
Chloroform	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	67-66-3	
Chloromethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	74-87-3	
Cyclohexane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	110-82-7	
Dibromochloromethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	124-48-1	
Dichlorodifluoromethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-71-8	
Ethylbenzene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	100-41-4	
Isopropylbenzene (Cumene)	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	98-82-8	
Methyl acetate	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	79-20-9	
Methyl-tert-butyl ether	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	1634-04-4	
Methylcyclohexane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	108-87-2	
Methylene Chloride	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-09-2	
Styrene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	100-42-5	
Tetrachloroethene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	127-18-4	
Toluene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	108-88-3	
Trichloroethene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	79-01-6	
Trichlorofluoromethane	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-69-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 16100390 DEWEY LOEFFEL

Pace Project No.: 702793

Sample: TB-102016		Lab ID: 702793006		Collected: 10/20/16 00:00		Received: 10/22/16 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C							
Vinyl chloride	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	75-01-4	
cis-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	10061-01-5	
m&p-Xylene	<2.0	ug/L	2.0	1.0	1		10/28/16 13:37	179601-23-1	
o-Xylene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	95-47-6	
trans-1,2-Dichloroethene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	156-60-5	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	0.50	1		10/28/16 13:37	10061-02-6	
Surrogates									
1,2-Dichloroethane-d4 (S)	94	%.	68-153		1		10/28/16 13:37	17060-07-0	
4-Bromofluorobenzene (S)	93	%.	79-124		1		10/28/16 13:37	460-00-4	
Toluene-d8 (S)	89	%.	69-124		1		10/28/16 13:37	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16100380/Dewey Loeffel
Sample Matrix: Water

Service Request: R1611203
Date Collected: 10/19/16 11:44
Date Received: 10/21/16 09:50

Sample Name: OMW-215-101916
Lab Code: R1611203-001

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	8.4	0.040	0.020	1	10/26/16 17:32	10/26/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	100	64 - 124	10/26/16 17:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16100380/Dewey Loeffel
Sample Matrix: Water

Service Request: R1611203
Date Collected: 10/19/16 14:10
Date Received: 10/21/16 09:50

Sample Name: OMW-205-101916
Lab Code: R1611203-002

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	12	0.040	0.020	1	10/26/16 17:51	10/26/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	102	64 - 124	10/26/16 17:51	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16100380/Dewey Loeffel
Sample Matrix: Water

Service Request: R1611203
Date Collected: 10/19/16
Date Received: 10/21/16 09:50

Sample Name: DUP-001-101916 (blind dup of OMW-205)
Lab Code: R1611203-003

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	11	0.040	0.020	1	10/26/16 18:10	10/26/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	98	64 - 124	10/26/16 18:10	

AMSS 11/28/2016

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16100389/Dewey Loeffel
Sample Matrix: Water

Service Request: R1611274
Date Collected: 10/20/16 10:30
Date Received: 10/22/16 09:25

Sample Name: OMW-216-102016
Lab Code: R1611274-001

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	2.8	0.040	0.020	1	10/26/16 18:49	10/26/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	103	64 - 124	10/26/16 18:49	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16100389/Dewey Loeffel
Sample Matrix: Water

Service Request: R1611274
Date Collected: 10/20/16 10:45
Date Received: 10/22/16 09:25

Sample Name: OMW-201-102016
Lab Code: R1611274-002

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	1500	0.80	0.40	2	10/27/16 15:16	10/26/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	102	64 - 124	10/27/16 15:16	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16100389/Dewey Loeffel
Sample Matrix: Water

Service Request: R1611274
Date Collected: 10/20/16 12:18
Date Received: 10/22/16 09:25

Sample Name: OMW-102-102016
Lab Code: R1611274-003

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	73	0.040	0.020	1	10/26/16 19:27	10/26/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	111	64 - 124	10/26/16 19:27	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16100389/Dewey Loeffel
Sample Matrix: Water

Service Request: R1611274
Date Collected: 10/20/16 12:30
Date Received: 10/22/16 09:25

Sample Name: OMW-214-102016
Lab Code: R1611274-004

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	2.4	0.040	0.020	1	10/26/16 19:46	10/26/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	109	64 - 124	10/26/16 19:46	

**2016 Extraction Well and
Leachate Collection Tank
Laboratory Result Forms**

**2016 Extraction Well
Laboratory Result Forms**

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 010616

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY407

Matrix: (soil/water) WATER Lab Sample ID: 1601276-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 6\J22280.D

Level: (low/med) LOW Date Received: 01/07/16

% Moisture: not dec. Date Analyzed: 01/07/16

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 200.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
79-20-9	Methyl Acetate	200	U
108-87-2	Methylcyclohexane	200	U
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	2800	
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	Freon-113	200	U
67-64-1	Acetone	1000	
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	200	U
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	6300	
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	32000	
107-06-2	1,2-Dichloroethane	450	
79-01-6	Trichloroethene	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	38000	
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	200	U
591-78-6	2-Hexanone	1000	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7 010616

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY407

Matrix: (soil/water) WATER Lab Sample ID: 1601276-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 6\J22280.D

Level: (low/med) LOW Date Received: 01/07/16

% Moisture: not dec. Date Analyzed: 01/07/16

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 200.00

Soil Extract Volume: _____ (μL) Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	8000	
100-41-4	Ethylbenzene	720	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	2700	
95-47-6	o-Xylene	820	
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-86-1	Bromobenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
87-61-6	1,2,3-Trichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 010616

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY407Matrix: (soil/water) WATERLab Sample ID: 1601276-001BSample wt/vol: 1000 (g/mL) mlLab File ID: N77281.DLevel: (low/med) LOWDate Received: 01/07/16% Moisture: Decanted: (Y/N) NDate Extracted: 01/12/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 01/13/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	60	Z
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	81	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	820	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	250	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	3	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 010616

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY407Matrix: (soil/water) WATERLab Sample ID: 1601276-001BSample wt/vol: 1000 (g/mL) mlLab File ID: N77281.DLevel: (low/med) LOWDate Received: 01/07/16% Moisture: Decanted: (Y/N) NDate Extracted: 01/12/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 01/13/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
100-01-6	4-Nitroaniline	10		U
534-52-1	4,6-Dinitro-2-methylphenol	10		U
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U
118-74-1	Hexachlorobenzene	10		U
87-86-5	Pentachlorophenol	10		U
85-01-8	Phenanthrene	5		U
120-12-7	Anthracene	5		U
86-74-8	Carbazole	5		U
84-74-2	Di-n-butyl phthalate	1		J
206-44-0	Fluoranthene	5		U
129-00-0	Pyrene	5		U
85-68-7	Butyl benzyl phthalate	10		U
91-94-1	3,3'-Dichlorobenzidine	10		U
56-55-3	Benzo(a)anthracene	5		U
218-01-9	Chrysene	5		U
117-81-7	Bis(2-ethylhexyl)phthalate	10		U
117-84-0	Di-n-octyl phthalate	10		U
205-99-2	Benzo(b)fluoranthene	5		U
207-08-9	Benzo(k)fluoranthene	5		U
50-32-8	Benzo(a)pyrene	5		U
193-39-5	Indeno(1,2,3-cd)pyrene	5		U
53-70-3	Dibenzo(a,h)anthracene	5		U
191-24-2	Benzo(g,h,i)perylene	5		U

(1) Cannot be separated from Diphenylamine.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 010616DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY407Matrix: (soil/water) WATERLab Sample ID: 1601276-001BDLSample wt/vol: 1000 (g/mL) MLLab File ID: N77296.DLevel: (low/med) LOWDate Received: 01/07/16% Moisture: Decanted: (Y/N) NDate Extracted: 01/12/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 01/13/16Injection Volume: 1 (µL)Dilution Factor: 20.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	60	DJZ
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	77	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	710	D
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	240	D
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	100	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	100	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	200	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	200	U
99-09-2	3-Nitroaniline	200	U
83-32-9	Acenaphthene	100	U
51-28-5	2,4-Dinitrophenol	200	U
100-02-7	4-Nitrophenol	200	U
132-64-9	Dibenzofuran	100	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
86-73-7	Fluorene	100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 010616DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY407Matrix: (soil/water) WATERLab Sample ID: 1601276-001BDLSample wt/vol: 1000 (g/mL) MLLab File ID: N77296.DLevel: (low/med) LOWDate Received: 01/07/16% Moisture: Decanted: (Y/N) NDate Extracted: 01/12/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 01/13/16Injection Volume: 1 (µL)Dilution Factor: 20.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	200	U
534-52-1	4,6-Dinitro-2-methylphenol	200	U
86-30-6	N-Nitrosodiphenylamine	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
87-86-5	Pentachlorophenol	200	U
85-01-8	Phenanthrene	100	U
120-12-7	Anthracene	100	U
86-74-8	Carbazole	100	U
84-74-2	Di-n-butyl phthalate	200	U
206-44-0	Fluoranthene	100	U
129-00-0	Pyrene	100	U
85-68-7	Butyl benzyl phthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	100	U
218-01-9	Chrysene	100	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	U
117-84-0	Di-n-octyl phthalate	200	U
205-99-2	Benzo(b)fluoranthene	100	U
207-08-9	Benzo(k)fluoranthene	100	U
50-32-8	Benzo(a)pyrene	100	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	U
53-70-3	Dibenzo(a,h)anthracene	100	U
191-24-2	Benzo(g,h,i)perylene	100	U

(1) Cannot be separated from Diphenylamine



Analytical Sample Results

Job Number: 16010023

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

17

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-7 010616
Lab Sample ID: 16010023-01 (AT00071)

Collection Date: 01/06/2016 09:00
Sample Matrix: WATER
Received Date: 01/06/2016 13:58
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1842-8	SW-846 Method 8082A	01/20/2016 13:10	AMT	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33241	EPA 3535A	01/14/2016 10:00	LMB	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1842-8
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1842-8
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1842-8
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1842-8
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1842-8
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1842-8
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1842-8
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1842-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	65.0	47.0-123		GC28F-1842-8
Decachlorobiphenyl	2051-24-3	83.3	35.0-153		GC28F-1842-8
Tetrachloro-meta-xylene	877-09-8	74.9	47.0-123		GC28B-1839-8
Decachlorobiphenyl	2051-24-3	80.0	35.0-153		GC28B-1839-8

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-7 010616

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY407Matrix (soil/water): WATERLab Sample ID: 1601276-001Level (low/med): LOWDate Received: 01/07/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	8.4	J		P
7440-39-3	Barium	4120			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.20	J		P
7440-70-2	Calcium	176000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	553			P
7439-92-1	Lead	11.5		N	P
7439-95-4	Magnesium	47000			P
7439-96-5	Manganese	893			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2750	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	22700			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	1340			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported 2/16/2016

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16010022/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-7 010616
Lab Code: R1600187-001

Service Request: R1600187
Date Collected: 1/ 6/16
Date Received: 1/ 8/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	900		2.0	0.20	1	1/11/16	1/11/16 16:26	253450	479571	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	83	64-124	1/11/16 16:26	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 032316

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY438

Matrix: (soil/water) WATER Lab Sample ID: 1603K13-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 6\J23069.D

Level: (low/med) LOW Date Received: 03/25/16

% Moisture: not dec. Date Analyzed: 03/25/16

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 50.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
76-13-1	Freon-113	50	U
67-64-1	Acetone	250	U
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	56	
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	50	U
156-59-2	cis-1,2-Dichloroethene	640	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
110-82-7	Cyclohexane	50	U
56-23-5	Carbon tetrachloride	50	U
71-43-2	Benzene	590	
107-06-2	1,2-Dichloroethane	170	
79-01-6	Trichloroethene	6800	
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	200	
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	50	U
591-78-6	2-Hexanone	250	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID:

1603K13-002ASample wt/vol: 5(g/mL) ML

Lab File ID:

6\J23069.D

Level: (low/med)

LOW

Date Received:

03/25/16

% Moisture: not dec.

Date Analyzed:

03/25/16GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

50.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____

(μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	100	
100-41-4	Ethylbenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	50	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	72	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-003ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23070.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 200.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	200	U
108-87-2	Methylcyclohexane	200	U
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	420	
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	Freon-113	200	U
67-64-1	Acetone	930	J
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	2500	
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	230	
156-59-2	cis-1,2-Dichloroethene	6800	
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	1200	
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	4500	
107-06-2	1,2-Dichloroethane	1200	
79-01-6	Trichloroethene	33000	
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	7300	
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	200	
591-78-6	2-Hexanone	1000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-003ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23070.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 200.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	1000	
100-41-4	Ethylbenzene	240	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	530	
95-47-6	o-Xylene	310	D
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-86-1	Bromobenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
87-61-6	1,2,3-Trichlorobenzene	200	
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	900	

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-004ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23116.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 25.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	25	U
108-87-2	Methylcyclohexane	25	U
75-71-8	Dichlorodifluoromethane	25	U
74-87-3	Chloromethane	25	U
75-01-4	Vinyl chloride	40	
74-83-9	Bromomethane	25	U
75-00-3	Chloroethane	25	U
75-69-4	Trichlorofluoromethane	25	U
75-35-4	1,1-Dichloroethene	25	U
76-13-1	Freon-113	25	U
67-64-1	Acetone	43	J
75-15-0	Carbon disulfide	25	U
75-09-2	Methylene chloride	25	U
156-60-5	trans-1,2-Dichloroethene	25	U
1634-04-4	Methyl tert-butyl ether	25	U
75-34-3	1,1-Dichloroethane	25	U
156-59-2	cis-1,2-Dichloroethene	160	
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	25	U
67-66-3	Chloroform	25	U
71-55-6	1,1,1-Trichloroethane	25	U
110-82-7	Cyclohexane	25	U
56-23-5	Carbon tetrachloride	25	U
71-43-2	Benzene	2700	
107-06-2	1,2-Dichloroethane	30	
79-01-6	Trichloroethene	110	
78-87-5	1,2-Dichloropropane	25	U
75-27-4	Bromodichloromethane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	2300	
10061-02-6	trans-1,3-Dichloropropene	25	U
79-00-5	1,1,2-Trichloroethane	25	U
127-18-4	Tetrachloroethene	25	U
591-78-6	2-Hexanone	130	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 032316

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY438

Matrix: (soil/water) WATER Lab Sample ID: 1603K13-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 6\J23116.D

Level: (low/med) LOW Date Received: 03/25/16

% Moisture: not dec. Date Analyzed: 03/29/16

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 25.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	25	U
106-93-4	1,2-Dibromoethane	25	U
108-90-7	Chlorobenzene	440	
100-41-4	Ethylbenzene	34	
630-20-6	1,1,1,2-Tetrachloroethane	25	U
179601-23-1	m,p-Xylene	120	
95-47-6	o-Xylene	40	
100-42-5	Styrene	25	U
75-25-2	Bromoform	25	U
98-82-8	Isopropylbenzene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-86-1	Bromobenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
87-61-6	1,2,3-Trichlorobenzene	25	U
95-50-1	1,2-Dichlorobenzene	25	U
96-12-8	1,2-Dibromo-3-chloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-005ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23067.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 500.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	500	U
108-87-2	Methylcyclohexane	500	U
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl chloride	780	
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	Freon-113	500	U
67-64-1	Acetone	3200	
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	630	
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-butyl ether	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	4600	
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon tetrachloride	500	U
71-43-2	Benzene	17000	
107-06-2	1,2-Dichloroethane	680	
79-01-6	Trichloroethene	1200	
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-pentanone	500	U
108-88-3	Toluene	19000	
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	500	U
591-78-6	2-Hexanone	2500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-005ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23067.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 500.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	3100	
100-41-4	Ethylbenzene	500	U
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	1100	
95-47-6	o-Xylene	500	U
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-86-1	Bromobenzene	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
87-61-6	1,2,3-Trichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1

(blind dup of EW-4)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-010ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23066.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 250.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	250	U
108-87-2	Methylcyclohexane	250	U
75-71-8	Dichlorodifluoromethane	250	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl chloride	800	
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	250	U
76-13-1	Freon-113	250	U
67-64-1	Acetone	3400	
75-15-0	Carbon disulfide	250	U
75-09-2	Methylene chloride	440	
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-butyl ether	250	U
75-34-3	1,1-Dichloroethane	290	
156-59-2	cis-1,2-Dichloroethene	5200	
78-93-3	2-Butanone	250	U
74-97-5	Bromochloromethane	250	U
67-66-3	Chloroform	270	
71-55-6	1,1,1-Trichloroethane	250	U
110-82-7	Cyclohexane	250	U
56-23-5	Carbon tetrachloride	250	U
71-43-2	Benzene	19000	
107-06-2	1,2-Dichloroethane	790	
79-01-6	Trichloroethene	1300	
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-pentanone	250	U
108-88-3	Toluene	21000	
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	1300	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1

(blind dup of EW-4)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-010ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23066.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 250.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____

(μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	250	U
106-93-4	1,2-Dibromoethane	250	U
108-90-7	Chlorobenzene	3300	
100-41-4	Ethylbenzene	290	
630-20-6	1,1,1,2-Tetrachloroethane	250	U
179601-23-1	m,p-Xylene	1100	
95-47-6	o-Xylene	350	
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-86-1	Bromobenzene	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
87-61-6	1,2,3-Trichlorobenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
96-12-8	1,2-Dibromo-3-chloropropane	250	U
120-82-1	1,2,4-Trichlorobenzene	250	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-006ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23072.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl chloride	250	
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
76-13-1	Freon-113	50	U
67-64-1	Acetone	450	
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	66	
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	92	
156-59-2	cis-1,2-Dichloroethene	1500	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	160	
71-55-6	1,1,1-Trichloroethane	50	U
110-82-7	Cyclohexane	50	U
56-23-5	Carbon tetrachloride	50	U
71-43-2	Benzene	8100	
107-06-2	1,2-Dichloroethane	270	
79-01-6	Trichloroethene	220	
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	3200	
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	50	U
591-78-6	2-Hexanone	250	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID:

1603K13-006ASample wt/vol: 5(g/mL) ML

Lab File ID:

6\J23072.D

Level: (low/med)

LOW

Date Received:

03/25/16

% Moisture: not dec.

Date Analyzed:

03/25/16GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

50.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____

(μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	1000	
100-41-4	Ethylbenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	160	
95-47-6	o-Xylene	57	
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-007ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23073.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 250.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	250	U
108-87-2	Methylcyclohexane	250	U
75-71-8	Dichlorodifluoromethane	250	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl chloride	4900	
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	250	U
76-13-1	Freon-113	250	U
67-64-1	Acetone	9300	
75-15-0	Carbon disulfide	250	U
75-09-2	Methylene chloride	2400	
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-butyl ether	250	U
75-34-3	1,1-Dichloroethane	800	
156-59-2	cis-1,2-Dichloroethene	22000	
78-93-3	2-Butanone	250	U
74-97-5	Bromochloromethane	250	U
67-66-3	Chloroform	840	
71-55-6	1,1,1-Trichloroethane	620	
110-82-7	Cyclohexane	250	U
56-23-5	Carbon tetrachloride	250	U
71-43-2	Benzene	50000	
107-06-2	1,2-Dichloroethane	2100	
79-01-6	Trichloroethene	810	
78-87-5	1,2-Dichloropropane	250	U
75-27-4	Bromodichloromethane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
108-10-1	4-Methyl-2-pentanone	730	
108-88-3	Toluene	64000	E
10061-02-6	trans-1,3-Dichloropropene	250	U
79-00-5	1,1,2-Trichloroethane	250	U
127-18-4	Tetrachloroethene	250	U
591-78-6	2-Hexanone	1300	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-007ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23073.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 250.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	250	U
106-93-4	1,2-Dibromoethane	250	U
108-90-7	Chlorobenzene	10000	
100-41-4	Ethylbenzene	900	
630-20-6	1,1,1,2-Tetrachloroethane	250	U
179601-23-1	m,p-Xylene	3500	
95-47-6	o-Xylene	1000	
100-42-5	Styrene	250	U
75-25-2	Bromoform	250	U
98-82-8	Isopropylbenzene	250	U
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-86-1	Bromobenzene	250	U
541-73-1	1,3-Dichlorobenzene	250	U
106-46-7	1,4-Dichlorobenzene	250	U
87-61-6	1,2,3-Trichlorobenzene	250	U
95-50-1	1,2-Dichlorobenzene	250	U
96-12-8	1,2-Dibromo-3-chloropropane	250	U
120-82-1	1,2,4-Trichlorobenzene	250	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID:

1603K13-007ADL

Sample wt/vol: 5

(g/mL) ML

Lab File ID:

6\J23118.D

Level: (low/med)

LOW

Date Received:

03/25/16

% Moisture: not dec.

Date Analyzed:

03/29/16

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor:

500.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____

(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
79-20-9	Methyl Acetate	500	U
108-87-2	Methylcyclohexane	500	U
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl chloride	2600	D
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	Freon-113	500	U
67-64-1	Acetone	3200	D
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	1300	D
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-butyl ether	500	U
75-34-3	1,1-Dichloroethane	500	U
156-59-2	cis-1,2-Dichloroethene	14000	D
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon tetrachloride	500	U
71-43-2	Benzene	37000	D
107-06-2	1,2-Dichloroethane	500	U
79-01-6	Trichloroethene	600	D
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-pentanone	500	U
108-88-3	Toluene	51000	D
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	500	U
591-78-6	2-Hexanone	2500	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID:

1603K13-007ADL

Sample wt/vol: 5

(g/mL) ML

Lab File ID:

6\J23118.D

Level: (low/med)

LOW

Date Received:

03/25/16

% Moisture: not dec.

Date Analyzed:

03/29/16

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor:

500.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____

(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	12000	D
100-41-4	Ethylbenzene	1000	D
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	3900	D
95-47-6	o-Xylene	1200	D
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-86-1	Bromobenzene	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
87-61-6	1,2,3-Trichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID: 1603K13-008A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 6\J23074.D

Level: (low/med)

LOW

Date Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 200.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	200	U
108-87-2	Methylcyclohexane	200	U
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	4100	
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	Freon-113	200	U
67-64-1	Acetone	1300	
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	250	
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	280	
156-59-2	cis-1,2-Dichloroethene	8800	
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	200	U
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	32000	
107-06-2	1,2-Dichloroethane	240	
79-01-6	Trichloroethene	200	U
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	250	
108-88-3	Toluene	44000	E
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	200	U
591-78-6	2-Hexanone	1000	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID:

1603K13-008ASample wt/vol: 5(g/mL) ML

Lab File ID:

6\J23074.D

Level: (low/med)

LOW

Date Received:

03/25/16

% Moisture: not dec.

Date Analyzed:

03/25/16GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

200.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____

(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	6500	
100-41-4	Ethylbenzene	600	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	2200	
95-47-6	o-Xylene	660	
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-86-1	Bromobenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
87-61-6	1,2,3-Trichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID:

1603K13-008ADLSample wt/vol: 5(g/mL) ML

Lab File ID:

6\J23117.D

Level: (low/med)

LOW

Date Received:

03/25/16

% Moisture: not dec.

Date Analyzed:

03/29/16GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

400.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____

(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
79-20-9	Methyl Acetate	400	U
108-87-2	Methylcyclohexane	400	U
75-71-8	Dichlorodifluoromethane	400	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl chloride	2100	D
74-83-9	Bromomethane	400	U
75-00-3	Chloroethane	400	U
75-69-4	Trichlorofluoromethane	400	U
75-35-4	1,1-Dichloroethene	400	U
76-13-1	Freon-113	400	U
67-64-1	Acetone	2000	U
75-15-0	Carbon disulfide	400	U
75-09-2	Methylene chloride	400	U
156-60-5	trans-1,2-Dichloroethene	400	U
1634-04-4	Methyl tert-butyl ether	400	U
75-34-3	1,1-Dichloroethane	400	U
156-59-2	cis-1,2-Dichloroethene	5600	D
78-93-3	2-Butanone	400	U
74-97-5	Bromochloromethane	400	U
67-66-3	Chloroform	400	U
71-55-6	1,1,1-Trichloroethane	400	U
110-82-7	Cyclohexane	400	U
56-23-5	Carbon tetrachloride	400	U
71-43-2	Benzene	23000	D
107-06-2	1,2-Dichloroethane	400	U
79-01-6	Trichloroethene	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-pentanone	400	U
108-88-3	Toluene	35000	D
10061-02-6	trans-1,3-Dichloropropene	400	U
79-00-5	1,1,2-Trichloroethane	400	U
127-18-4	Tetrachloroethene	400	U
591-78-6	2-Hexanone	2000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID:

1603K13-008ADLSample wt/vol: 5(g/mL) ML

Lab File ID:

6\J23117.D

Level: (low/med)

LOW

Date Received:

03/25/16

% Moisture: not dec.

Date Analyzed:

03/29/16GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

400.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____

(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	400	U
106-93-4	1,2-Dibromoethane	400	U
108-90-7	Chlorobenzene	7200	D
100-41-4	Ethylbenzene	600	D
630-20-6	1,1,1,2-Tetrachloroethane	400	U
179601-23-1	m,p-Xylene	2300	D
95-47-6	o-Xylene	730	D
100-42-5	Styrene	400	U
75-25-2	Bromoform	400	U
98-82-8	Isopropylbenzene	400	U
79-34-5	1,1,2,2-Tetrachloroethane	400	U
108-86-1	Bromobenzene	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
87-61-6	1,2,3-Trichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
96-12-8	1,2-Dibromo-3-chloropropane	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATERLab Sample ID: 1603K13-009ASample wt/vol: 5(g/mL) MLLab File ID: 6\J23075.D

Level: (low/med)

LOWDate Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 10.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon-113	10	U
67-64-1	Acetone	21	J
75-15-0	Carbon disulfide	10	U
75-09-2	Methylene chloride	12	
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	1300	
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	42	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	50	U

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID:

1603K13-009ASample wt/vol: 5(g/mL) ML

Lab File ID:

6\J23075.D

Level: (low/med)

LOW

Date Received:

03/25/16

% Moisture: not dec.

Date Analyzed:

03/25/16GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

10.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____

(μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	49	
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-86-1	Bromobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-002BSample wt/vol: 1000 (g/mL) mlLab File ID: S5601.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	3	J
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	5	J
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	5	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	2	J
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-002BSample wt/vol: 1000 (g/mL) mlLab File ID: S5601.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-003BSample wt/vol: 1000 (g/mL) mlLab File ID: S5602.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
108-95-2	Phenol	70		
111-44-4	Bis(2-chloroethyl)ether	10		U
95-57-8	2-Chlorophenol	2		J
95-48-7	2-Methylphenol	67		
108-60-1	2,2'-oxybis(1-Chloropropane)	10		U
12-03-3	3-Methylphenol/4-Methylphenol	95		E
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	4		J
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	11		
111-91-1	Bis(2-chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
91-20-3	Naphthalene	10		
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	2		JZ
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	10		U
91-58-7	2-Chloronaphthalene	5		U
88-74-4	2-Nitroaniline	10		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	5		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	10		U
83-32-9	Acenaphthene	5		U
51-28-5	2,4-Dinitrophenol	10		U
100-02-7	4-Nitrophenol	10		U
132-64-9	Dibenzofuran	5		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
86-73-7	Fluorene	5		U

4-13-16
GV

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-003BSample wt/vol: 1000 (g/mL) mlLab File ID: S5602.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	16	
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-003BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5652.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 4.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	62	D
111-44-4	Bis(2-chloroethyl)ether	40	U
95-57-8	2-Chlorophenol	40	U
95-48-7	2-Methylphenol	65	D
108-60-1	2,2'-oxybis(1-Chloropropane)	40	U
12-03-3	3-Methylphenol/4-Methylphenol	90	D
621-64-7	N-Nitroso-di-n-propylamine	40	U
67-72-1	Hexachloroethane	40	U
98-95-3	Nitrobenzene	40	U
78-59-1	Isophorone	40	U
88-75-5	2-Nitrophenol	40	U
105-67-9	2,4-Dimethylphenol	15	DJ
111-91-1	Bis(2-chloroethoxy)methane	40	U
120-83-2	2,4-Dichlorophenol	40	U
91-20-3	Naphthalene	10	DJ
106-47-8	4-Chloroaniline	40	U
87-68-3	Hexachlorobutadiene	40	U
59-50-7	4-Chloro-3-methylphenol	40	U
91-57-6	2-Methylnaphthalene	20	U
77-47-4	Hexachlorocyclopentadiene	40	U
88-06-2	2,4,6-Trichlorophenol	40	U
95-95-4	2,4,5-Trichlorophenol	40	U
91-58-7	2-Chloronaphthalene	20	U
88-74-4	2-Nitroaniline	40	U
131-11-3	Dimethylphthalate	40	U
208-96-8	Acenaphthylene	20	U
606-20-2	2,6-Dinitrotoluene	40	U
99-09-2	3-Nitroaniline	40	U
83-32-9	Acenaphthene	20	U
51-28-5	2,4-Dinitrophenol	40	U
100-02-7	4-Nitrophenol	40	U
132-64-9	Dibenzofuran	20	U
121-14-2	2,4-Dinitrotoluene	40	U
84-66-2	Diethylphthalate	40	U
7005-72-3	4-Chlorophenyl-phenylether	40	U
86-73-7	Fluorene	20	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-003BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5652.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 4.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

100-01-6	4-Nitroaniline	40	U
534-52-1	4,6-Dinitro-2-methylphenol	40	U
86-30-6	N-Nitrosodiphenylamine	40	U
101-55-3	4-Bromophenyl-phenylether	40	U
118-74-1	Hexachlorobenzene	40	U
87-86-5	Pentachlorophenol	24	DJ
85-01-8	Phenanthrene	20	U
120-12-7	Anthracene	20	U
86-74-8	Carbazole	20	U
84-74-2	Di-n-butyl phthalate	40	U
206-44-0	Fluoranthene	20	U
129-00-0	Pyrene	20	U
85-68-7	Butyl benzyl phthalate	40	U
91-94-1	3,3'-Dichlorobenzidine	40	U
56-55-3	Benzo(a)anthracene	20	U
218-01-9	Chrysene	20	U
117-81-7	Bis(2-ethylhexyl)phthalate	40	U
117-84-0	Di-n-octyl phthalate	40	U
205-99-2	Benzo(b)fluoranthene	20	U
207-08-9	Benzo(k)fluoranthene	20	U
50-32-8	Benzo(a)pyrene	20	U
193-39-5	Indeno(1,2,3-cd)pyrene	20	U
53-70-3	Dibenzo(a,h)anthracene	20	U
191-24-2	Benzo(g,h,i)perylene	20	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-004BSample wt/vol: 1000 (g/mL) mlLab File ID: S5603.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	4	J
111-44-4	Bis (2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	2	J
95-48-7	2-Methylphenol	15	
108-60-1	2,2'-oxybis (1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	110	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	14	
111-91-1	Bis (2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-004BSample wt/vol: 1000 (g/mL) mlLab File ID: S5603.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
100-01-6	4-Nitroaniline	10	U	
534-52-1	4,6-Dinitro-2-methylphenol	10	U	
86-30-6	N-Nitrosodiphenylamine	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	10	U	
85-01-8	Phenanthrene	5	U	
120-12-7	Anthracene	5	U	
86-74-8	Carbazole	5	U	
84-74-2	Di-n-butyl phthalate	10	U	
206-44-0	Fluoranthene	5	U	
129-00-0	Pyrene	5	U	
85-68-7	Butyl benzyl phthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)anthracene	5	U	
218-01-9	Chrysene	5	U	
117-81-7	Bis(2-ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octyl phthalate	10	U	
205-99-2	Benzo(b)fluoranthene	5	U	
207-08-9	Benzo(k)fluoranthene	5	U	
50-32-8	Benzo(a)pyrene	5	U	
193-39-5	Indeno(1,2,3-cd)pyrene	5	U	
53-70-3	Dibenzo(a,h)anthracene	5	U	
191-24-2	Benzo(g,h,i)perylene	5	U	

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-004BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5653.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPE

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
108-95-2	Phenol	50		U
111-44-4	Bis(2-chloroethyl)ether	50		U
95-57-8	2-Chlorophenol	50		U
95-48-7	2-Methylphenol	14		DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	50		U
12-03-3	3-Methylphenol/4-Methylphenol	88		DJ
621-64-7	N-Nitroso-di-n-propylamine	50		U
67-72-1	Hexachloroethane	50		U
98-95-3	Nitrobenzene	50		U
78-59-1	Isophorone	50		U
88-75-5	2-Nitrophenol	50		U
105-67-9	2,4-Dimethylphenol	13		DJ
111-91-1	Bis(2-chloroethoxy)methane	50		U
120-83-2	2,4-Dichlorophenol	50		U
91-20-3	Naphthalene	25		U
106-47-8	4-Chloroaniline	50		U
87-68-3	Hexachlorobutadiene	50		U
59-50-7	4-Chloro-3-methylphenol	50		U
91-57-6	2-Methylnaphthalene	25		U
77-47-4	Hexachlorocyclopentadiene	50		U
88-06-2	2,4,6-Trichlorophenol	50		U
95-95-4	2,4,5-Trichlorophenol	50		U
91-58-7	2-Chloronaphthalene	25		U
88-74-4	2-Nitroaniline	50		U
131-11-3	Dimethylphthalate	50		U
208-96-8	Acenaphthylene	25		U
606-20-2	2,6-Dinitrotoluene	50		U
99-09-2	3-Nitroaniline	50		U
83-32-9	Acenaphthene	25		U
51-28-5	2,4-Dinitrophenol	50		U
100-02-7	4-Nitrophenol	50		U
132-64-9	Dibenzofuran	25		U
121-14-2	2,4-Dinitrotoluene	50		U
84-66-2	Diethylphthalate	50		U
7005-72-3	4-Chlorophenyl-phenylether	50		U
86-73-7	Fluorene	25		U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-004BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5653.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine	50	U
101-55-3	4-Bromophenyl-phenylether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	25	U
120-12-7	Anthracene	25	U
86-74-8	Carbazole	25	U
84-74-2	Di-n-butyl phthalate	50	U
206-44-0	Fluoranthene	25	U
129-00-0	Pyrene	25	U
85-68-7	Butyl benzyl phthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	25	U
218-01-9	Chrysene	25	U
117-81-7	Bis(2-ethylhexyl)phthalate	50	U
117-84-0	Di-n-octyl phthalate	50	U
205-99-2	Benzo(b)fluoranthene	25	U
207-08-9	Benzo(k)fluoranthene	25	U
50-32-8	Benzo(a)pyrene	25	U
193-39-5	Indeno(1,2,3-cd)pyrene	25	U
53-70-3	Dibenzo(a,h)anthracene	25	U
191-24-2	Benzo(g,h,i)perylene	25	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-005BSample wt/vol: 1000 (g/mL) mlLab File ID: S5604.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	390	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	14	
95-48-7	2-Methylphenol	220	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	880	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	170	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	1	JZ
91-20-3	Naphthalene	2	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

4-13-16
GV

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-005BSample wt/vol: 1000 (g/mL) mlLab File ID: S5604.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/LQ

100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-005BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5654.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 20.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	260	D
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	170	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	640	D
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	130	DJ
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	100	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	100	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	200	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	200	U
99-09-2	3-Nitroaniline	200	U
83-32-9	Acenaphthene	100	U
51-28-5	2,4-Dinitrophenol	200	U
100-02-7	4-Nitrophenol	200	U
132-64-9	Dibenzofuran	100	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
86-73-7	Fluorene	100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-005BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5654.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 20.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	200	U
534-52-1	4,6-Dinitro-2-methylphenol	200	U
86-30-6	N-Nitrosodiphenylamine	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
87-86-5	Pentachlorophenol	200	U
85-01-8	Phenanthrene	100	U
120-12-7	Anthracene	100	U
86-74-8	Carbazole	100	U
84-74-2	Di-n-butyl phthalate	200	U
206-44-0	Fluoranthene	100	U
129-00-0	Pyrene	100	U
85-68-7	Butyl benzyl phthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	100	U
218-01-9	Chrysene	100	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	U
117-84-0	Di-n-octyl phthalate	200	U
205-99-2	Benzo(b)fluoranthene	100	U
207-08-9	Benzo(k)fluoranthene	100	U
50-32-8	Benzo(a)pyrene	100	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	U
53-70-3	Dibenzo(a,h)anthracene	100	U
191-24-2	Benzo(g,h,i)perylene	100	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 032316

(blind dup of EW-4)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-010BSample wt/vol: 1000 (g/mL) mlLab File ID: S5610.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	240	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	13	
95-48-7	2-Methylphenol	170	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	620	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	97	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	2	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1 032316

(blind dup of EW-4)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water) WATER

Lab Sample ID: 1603K13-010B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S5610.D

Level: (low/med) LOW

Date Received: 03/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 03/28/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 03/29/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 032316DL

(blind dup of EW-4)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-010BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5660.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 20.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	180	DJ
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	120	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	400	D
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	86	DJ
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	100	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	100	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	200	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	200	U
99-09-2	3-Nitroaniline	200	U
83-32-9	Acenaphthene	100	U
51-28-5	2,4-Dinitrophenol	200	U
100-02-7	4-Nitrophenol	200	U
132-64-9	Dibenzofuran	100	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
86-73-7	Fluorene	100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 032316DL
(blind dup of EW-4)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-010BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5660.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 20.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	200	U
534-52-1	4,6-Dinitro-2-methylphenol	200	U
86-30-6	N-Nitrosodiphenylamine	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
87-86-5	Pentachlorophenol	200	U
85-01-8	Phenanthrene	100	U
120-12-7	Anthracene	100	U
86-74-8	Carbazole	100	U
84-74-2	Di-n-butyl phthalate	200	U
206-44-0	Fluoranthene	100	U
129-00-0	Pyrene	100	U
85-68-7	Butyl benzyl phthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	100	U
218-01-9	Chrysene	100	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	U
117-84-0	Di-n-octyl phthalate	200	U
205-99-2	Benzo(b)fluoranthene	100	U
207-08-9	Benzo(k)fluoranthene	100	U
50-32-8	Benzo(a)pyrene	100	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	U
53-70-3	Dibenzo(a,h)anthracene	100	U
191-24-2	Benzo(g,h,i)perylene	100	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-006BSample wt/vol: 1000 (g/mL) mlLab File ID: S5606.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	24	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	2	J
95-48-7	2-Methylphenol	34	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	120	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	24	
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water) WATER

Lab Sample ID: 1603K13-006B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S5606.D

Level: (low/med) LOW

Date Received: 03/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 03/28/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 03/29/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-006BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5655.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 5.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	20	DJ
111-44-4	Bis(2-chloroethyl) ether	50	U
95-57-8	2-Chlorophenol	50	U
95-48-7	2-Methylphenol	33	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	50	U
12-03-3	3-Methylphenol/4-Methylphenol	100	D
621-64-7	N-Nitroso-di-n-propylamine	50	U
67-72-1	Hexachloroethane	50	U
98-95-3	Nitrobenzene	50	U
78-59-1	Isophorone	50	U
88-75-5	2-Nitrophenol	50	U
105-67-9	2,4-Dimethylphenol	19	DJ
111-91-1	Bis(2-chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	50	U
91-20-3	Naphthalene	25	U
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
59-50-7	4-Chloro-3-methylphenol	50	U
91-57-6	2-Methylnaphthalene	25	U
77-47-4	Hexachlorocyclopentadiene	50	U
88-06-2	2,4,6-Trichlorophenol	50	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	25	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	50	U
208-96-8	Acenaphthylene	25	U
606-20-2	2,6-Dinitrotoluene	50	U
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	25	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	25	U
121-14-2	2,4-Dinitrotoluene	50	U
84-66-2	Diethylphthalate	50	U
7005-72-3	4-Chlorophenyl-phenylether	50	U
86-73-7	Fluorene	25	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 032316DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY438

Matrix: (soil/water) WATER Lab Sample ID: 1603K13-006BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S5655.D

Level: (low/med) LOW Date Received: 03/25/16

% Moisture: _____ Decanted: (Y/N) N Date Extracted: 03/28/16

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 03/31/16

Injection Volume: 1 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine	50	U
101-55-3	4-Bromophenyl-phenylether	50	U
118-74-1	Hexachlorobenzene	50	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	25	U
120-12-7	Anthracene	25	U
86-74-8	Carbazole	25	U
84-74-2	Di-n-butyl phthalate	50	U
206-44-0	Fluoranthene	25	U
129-00-0	Pyrene	25	U
85-68-7	Butyl benzyl phthalate	50	U
91-94-1	3,3'-Dichlorobenzidine	50	U
56-55-3	Benzo(a)anthracene	25	U
218-01-9	Chrysene	25	U
117-81-7	Bis(2-ethylhexyl)phthalate	50	U
117-84-0	Di-n-octyl phthalate	50	U
205-99-2	Benzo(b)fluoranthene	25	U
207-08-9	Benzo(k)fluoranthene	25	U
50-32-8	Benzo(a)pyrene	25	U
193-39-5	Indeno(1,2,3-cd)pyrene	25	U
53-70-3	Dibenzo(a,h)anthracene	25	U
191-24-2	Benzo(g,h,i)perylene	25	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-007BSample wt/vol: 1000 (g/mL) mlLab File ID: S5607.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	1700	E
111-44-4	Bis (2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	38	
95-48-7	2-Methylphenol	1100	E
108-60-1	2,2'-oxybis (1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	3400	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	560	E
111-91-1	Bis (2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	5	JZ
91-20-3	Naphthalene	7	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

4-13-16
GV

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-007BSample wt/vol: 1000 (g/mL) mlLab File ID: S5607.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	1	J
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-007BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5657.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	930	D
111-44-4	Bis(2-chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	610	D
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
12-03-3	3-Methylphenol/4-Methylphenol	1800	D
621-64-7	N-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	370	DJ
111-91-1	Bis(2-chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
91-20-3	Naphthalene	250	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	250	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	250	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	250	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U
83-32-9	Acenaphthene	250	U
51-28-5	2,4-Dinitrophenol	500	U
100-02-7	4-Nitrophenol	500	U
132-64-9	Dibenzofuran	250	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
86-73-7	Fluorene	250	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water) WATER

Lab Sample ID: 1603K13-007BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S5657.D

Level: (low/med) LOW

Date Received: 03/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 03/28/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 03/31/16

Injection Volume: 1 (µL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	N-Nitrosodiphenylamine	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	250	U
120-12-7	Anthracene	250	U
86-74-8	Carbazole	250	U
84-74-2	Di-n-butyl phthalate	500	U
206-44-0	Fluoranthene	250	U
129-00-0	Pyrene	250	U
85-68-7	Butyl benzyl phthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
56-55-3	Benzo(a)anthracene	250	U
218-01-9	Chrysene	250	U
117-81-7	Bis(2-ethylhexyl)phthalate	500	U
117-84-0	Di-n-octyl phthalate	500	U
205-99-2	Benzo(b)fluoranthene	250	U
207-08-9	Benzo(k)fluoranthene	250	U
50-32-8	Benzo(a)pyrene	250	U
193-39-5	Indeno(1,2,3-cd)pyrene	250	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	250	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-008BSample wt/vol: 1000 (g/mL) mlLab File ID: S5608.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	110	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	6	J
95-48-7	2-Methylphenol	130	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	1800	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	430	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	4	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-008BSample wt/vol: 1000 (g/mL) mlLab File ID: S5608.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	1	J
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-008BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5659.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/LQ

108-95-2	Phenol	87	DJ
111-44-4	Bis(2-chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	110	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
12-03-3	3-Methylphenol/4-Methylphenol	1000	D
621-64-7	N-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	300	DJ
111-91-1	Bis(2-chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
91-20-3	Naphthalene	250	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	250	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	250	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	250	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U
83-32-9	Acenaphthene	250	U
51-28-5	2,4-Dinitrophenol	500	U
100-02-7	4-Nitrophenol	500	U
132-64-9	Dibenzofuran	250	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
86-73-7	Fluorene	250	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 032316DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-008BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S5659.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/31/16Injection Volume: 1 (µL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	N-Nitrosodiphenylamine	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	250	U
120-12-7	Anthracene	250	U
86-74-8	Carbazole	250	U
84-74-2	Di-n-butyl phthalate	500	U
206-44-0	Fluoranthene	250	U
129-00-0	Pyrene	250	U
85-68-7	Butyl benzyl phthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
56-55-3	Benzo(a)anthracene	250	U
218-01-9	Chrysene	250	U
117-81-7	Bis(2-ethylhexyl)phthalate	500	U
117-84-0	Di-n-octyl phthalate	500	U
205-99-2	Benzo(b)fluoranthene	250	U
207-08-9	Benzo(k)fluoranthene	250	U
50-32-8	Benzo(a)pyrene	250	U
193-39-5	Indeno(1,2,3-cd)pyrene	250	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	250	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-009BSample wt/vol: 1000 (g/mL) mlLab File ID: S5609.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

108-95-2	Phenol	1	J
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	2	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	2	J
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-009BSample wt/vol: 1000 (g/mL) mlLab File ID: S5609.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-1 032316
Lab Sample ID: 16030448-02 (AT06684)

Collection Date: 03/23/2016 07:45
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-8	SW-846 Method 8082A	04/05/2016 11:48	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33674	EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-8
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-8
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-8
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-8
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-8
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-8
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-8
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	66.5	39.3-121		GC28B-1894-8
Decachlorobiphenyl	2051-24-3	82.5	10.0-160		GC28B-1894-8
Tetrachloro-meta-xylene	877-09-8	70.2	39.3-121		GC28F-1897-8
Decachlorobiphenyl	2051-24-3	84.5	10.0-160		GC28F-1897-8

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-2 032316
Lab Sample ID: 16030448-03 (AT06685)

Collection Date: 03/23/2016 08:30
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-9	SW-846 Method 8082A	04/05/2016 12:02	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33674	EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-9
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-9
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-9
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-9
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-9
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-9
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-9
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	69.9	39.3-121		GC28B-1894-9
Decachlorobiphenyl	2051-24-3	81.3	10.0-160		GC28B-1894-9
Tetrachloro-meta-xylene	877-09-8	64.6	39.3-121		GC28F-1897-9
Decachlorobiphenyl	2051-24-3	78.5	10.0-160		GC28F-1897-9

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-3 032316
Lab Sample ID: 16030448-04 (AT06686)

Collection Date: 03/23/2016 09:15
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-10	SW-846 Method 8082A	04/05/2016 12:16	MCA	NA	NA
Prep 1:	33674	EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL
						Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
						NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-10
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-10
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-10
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-10
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-10
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-10
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-10
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	73.4	39.3-121		GC28B-1894-10
Decachlorobiphenyl	2051-24-3	90.0	10.0-160		GC28B-1894-10
Tetrachloro-meta-xylene	877-09-8	73.0	39.3-121		GC28F-1897-10
Decachlorobiphenyl	2051-24-3	88.0	10.0-160		GC28F-1897-10

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-4 032316
Lab Sample ID: 16030448-05 (AT06687)

Collection Date: 03/23/2016 10:00
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-11	SW-846 Method 8082A	04/05/2016 12:30	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33674	EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-11
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-11
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-11
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-11
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-11
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-11
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-11
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	84.7	39.3-121		GC28B-1894-11
Decachlorobiphenyl	2051-24-3	89.0	10.0-160		GC28B-1894-11
Tetrachloro-meta-xylene	877-09-8	77.8	39.3-121		GC28F-1897-11
Decachlorobiphenyl	2051-24-3	92.8	10.0-160		GC28F-1897-11

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: DUP-1 032316 (blind dup of EW-4)
Lab Sample ID: 16030448-10 (AT06692)

Collection Date: 03/23/2016
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-20	SW-846 Method 8082A	04/05/2016 14:35	MCA	NA	NA
Prep 1:	33674	EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL
						Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
						NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-20
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-20
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-20
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-20
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-20
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-20
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-20
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	77.4	39.3-121		GC28B-1894-20
Decachlorobiphenyl	2051-24-3	88.3	10.0-160		GC28B-1894-20
Tetrachloro-meta-xylene	877-09-8	72.6	39.3-121		GC28F-1897-20
Decachlorobiphenyl	2051-24-3	91.4	10.0-160		GC28F-1897-20

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-5 032316
Lab Sample ID: 16030448-06 (AT06688)

Collection Date: 03/23/2016 10:45
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-14 SW-846 Method 8082A	04/05/2016 13:12	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33674 EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-14
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-14
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-14
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-14
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-14
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-14
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-14
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	74.3	39.3-121		GC28B-1894-14
Decachlorobiphenyl	2051-24-3	92.1	10.0-160		GC28B-1894-14
Tetrachloro-meta-xylene	877-09-8	74.8	39.3-121		GC28F-1897-14
Decachlorobiphenyl	2051-24-3	91.4	10.0-160		GC28F-1897-14

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-6 032316
Lab Sample ID: 16030448-07 (AT06689)

Collection Date: 03/23/2016 11:30
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-17 SW-846 Method 8082A	04/05/2016 13:54	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33674 EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-17
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-17
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-17
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-17
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-17
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-17
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-17
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	69.2	39.3-121		GC28B-1894-17
Decachlorobiphenyl	2051-24-3	89.4	10.0-160		GC28B-1894-17
Tetrachloro-meta-xylene	877-09-8	68.6	39.3-121		GC28F-1897-17
Decachlorobiphenyl	2051-24-3	94.2	10.0-160		GC28F-1897-17

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-7 032316
Lab Sample ID: 16030448-08 (AT06690)

Collection Date: 03/23/2016 12:15
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-18	SW-846 Method 8082A	04/05/2016 14:07	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33674	EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-18
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-18
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-18
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-18
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-18
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-18
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-18
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-18

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	73.9	39.3-121		GC28B-1894-18
Decachlorobiphenyl	2051-24-3	88.8	10.0-160		GC28B-1894-18
Tetrachloro-meta-xylene	877-09-8	79.3	39.3-121		GC28F-1897-18
Decachlorobiphenyl	2051-24-3	93.5	10.0-160		GC28F-1897-18

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-8 032316
Lab Sample ID: 16030448-09 (AT06691)

Collection Date: 03/23/2016 13:00
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1897-19	SW-846 Method 8082A	04/05/2016 14:21	MCA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33674	EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL
						NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1897-19
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1897-19
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1897-19
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1897-19
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1897-19
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1897-19
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1897-19
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1897-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	74.2	39.3-121		GC28B-1894-19
Decachlorobiphenyl	2051-24-3	87.7	10.0-160		GC28B-1894-19
Tetrachloro-meta-xylene	877-09-8	76.2	39.3-121		GC28F-1897-19
Decachlorobiphenyl	2051-24-3	86.7	10.0-160		GC28F-1897-19

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-1 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-002Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	7.1	J		P
7440-39-3	Barium	64.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	24700			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	0.90	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	2.9	J		P
7439-95-4	Magnesium	4800			P
7439-96-5	Manganese	266			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	50300			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	169		N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-2 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.:

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-003Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	5.6	J		P
7440-39-3	Barium	178	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	19400			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	2.9	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	2.2	J		P
7439-95-4	Magnesium	4230			P
7439-96-5	Manganese	419			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	45800			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	14.4	J	N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-3 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-004Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	257			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	9000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	0.90	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	2.7	J		P
7439-95-4	Magnesium	338	J		P
7439-96-5	Manganese	91.3			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	158000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	61.8		N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-4 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-005Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	6.8	J		P
7440-39-3	Barium	2480			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	43100			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.5	J		P
7439-89-6	Iron	114			P
7439-92-1	Lead	3.7	J		P
7439-95-4	Magnesium	2550			P
7439-96-5	Manganese	941			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1030	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	146000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	634		N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

DUP-1 032316
(blind dup of EW-4)Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-010Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration C	Q	M
7429-90-5	Aluminum	200 U		P
7440-36-0	Antimony	60 U		P
7440-38-2	Arsenic	5.2 J		P
7440-39-3	Barium	2550		P
7440-41-7	Beryllium	5.0 U		P
7440-43-9	Cadmium	2.5 U		P
7440-70-2	Calcium	44700		P
7440-47-3	Chromium	10 U		P
7440-48-4	Cobalt	50 U		P
7440-50-8	Copper	1.5 J		P
7439-89-6	Iron	77.7 J		P
7439-92-1	Lead	4.5 J		P
7439-95-4	Magnesium	2620		P
7439-96-5	Manganese	952		P
7439-97-6	Mercury	0.20 U	N	CV
7440-02-0	Nickel	40 U		P
7440-09-7	Potassium	913 J		P
7782-49-2	Selenium	10 U	N	P
7440-22-4	Silver	10 U		P
7440-23-5	Sodium	146000		P
7440-28-0	Thallium	10 U		P
7440-62-2	Vanadium	50 U		P
7440-66-6	Zinc	402	N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-5 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-006Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	6.8	J		P
7440-38-2	Arsenic	81.6			P
7440-39-3	Barium	568			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	59700			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	2.1	J		P
7440-50-8	Copper	2.4	J		P
7439-89-6	Iron	3110			P
7439-92-1	Lead	3.5	J		P
7439-95-4	Magnesium	6770			P
7439-96-5	Manganese	1470			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	846	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	114000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	87500		DDDN*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-6 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-007Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): US/L

CAS No.	Analyte	Concentration C	Q	M
7429-90-5	Aluminum	200 U		P
7440-36-0	Antimony	60 U		P
7440-38-2	Arsenic	12.9		P
7440-39-3	Barium	5240		P
7440-41-7	Beryllium	5.0 U		P
7440-43-9	Cadmium	2.5 U		P
7440-70-2	Calcium	200000		P
7440-47-3	Chromium	10 U		P
7440-48-4	Cobalt	50 U		P
7440-50-8	Copper	1.4 J		P
7439-89-6	Iron	499		P
7439-92-1	Lead	9.5		P
7439-95-4	Magnesium	31400		P
7439-96-5	Manganese	2030		P
7439-97-6	Mercury	0.20 U	N	CV
7440-02-0	Nickel	40 U		P
7440-09-7	Potassium	1950 J		P
7782-49-2	Selenium	10 U	N	P
7440-22-4	Silver	10 U		P
7440-23-5	Sodium	35300		P
7440-28-0	Thallium	10 U		P
7440-62-2	Vanadium	50 U		P
7440-66-6	Zinc	1940	N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-7 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-008Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	98.9	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	4.0	J		P
7440-39-3	Barium	4330			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	189000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.0	J		P
7439-89-6	Iron	532			P
7439-92-1	Lead	9.3			P
7439-95-4	Magnesium	48200			P
7439-96-5	Manganese	928			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2340	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	23100			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	3.9	J	N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-8 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-009Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	21.8	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	220			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	14800			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.3	J		P
7439-89-6	Iron	62.1	J		P
7439-92-1	Lead	2.7	J		P
7439-95-4	Magnesium	1210			P
7439-96-5	Manganese	184			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	148000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	20	U	N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-1 032316
Lab Code: R1602739-002

Service Request: R1602739
Date Collected: 3/23/16 0745
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	6.5		0.20	0.020	1	3/28/16	3/28/16 16:30	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	96	64-124	3/28/16 16:30	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-2 032316
Lab Code: R1602739-003

Service Request: R1602739
Date Collected: 3/23/16 0830
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	67		0.20	0.020	1	3/28/16	3/28/16 16:49	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	103	64-124	3/28/16 16:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-3 032316
Lab Code: R1602739-004

Service Request: R1602739
Date Collected: 3/23/16 0915
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	100		2.0	0.20	1	3/28/16	3/28/16 17:09	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	93	64-124	3/28/16 17:09	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-4 032316
Lab Code: R1602739-005

Service Request: R1602739
Date Collected: 3/23/16 1000
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	280		2.0	0.20	1	3/28/16	3/28/16 17:28	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	94	64-124	3/28/16 17:28	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: DUP-2 032316 (blind dup of EW-4)
Lab Code: R1602739-010

Service Request: R1602739
Date Collected: 3/23/16
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	280		2.0	0.20	1	3/28/16	3/28/16 19:41	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	94	64-124	3/28/16 19:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-5 032316
Lab Code: R1602739-006

Service Request: R1602739
Date Collected: 3/23/16 1045
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	180		2.0	0.20	1	3/28/16	3/28/16 18:25	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	92	64-124	3/28/16 18:25	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-6 032316
Lab Code: R1602739-007

Service Request: R1602739
Date Collected: 3/23/16 1130
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	940		2.0	0.20	1	3/28/16	3/28/16 18:44	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	98	64-124	3/28/16 18:44	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-7 032316
Lab Code: R1602739-008

Service Request: R1602739
Date Collected: 3/23/16 1215
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	1400		20	2.0	10	3/28/16	3/29/16 10:59	258213	489583	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	124	64-124	3/29/16 10:59	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-8 032316
Lab Code: R1602739-009

Service Request: R1602739
Date Collected: 3/23/16 1300
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	74		0.20	0.020	1	3/28/16	3/28/16 19:22	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	94	64-124	3/28/16 19:22	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-001ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7825.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
76-13-1	Freon-113	50	U
67-64-1	Acetone	250	U
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	50	U
156-59-2	cis-1,2-Dichloroethene	560	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
110-82-7	Cyclohexane	50	U
56-23-5	Carbon tetrachloride	50	U
71-43-2	Benzene	590	Z
107-06-2	1,2-Dichloroethane	130	
79-01-6	Trichloroethene	7200	
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	220	
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	50	U
591-78-6	2-Hexanone	250	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-001ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7825.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____

(pL)

Soil Aliquot Volume _____ (pL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	110	
100-41-4	Ethylbenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	50	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	65	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 051816

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY460

Matrix: (soil/water) WATER Lab Sample ID: 1605I73-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 16\H7827.D

Level: (low/med) LOW Date Received: 05/20/16

% Moisture: not dec. Date Analyzed: 05/27/16

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 200.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	200	U
108-87-2	Methylcyclohexane	200	U
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	260	
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	Freon-113	200	U
67-64-1	Acetone	600	J
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	1700	
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	5800	
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	1000	Z
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	4600	Z
107-06-2	1,2-Dichloroethane	890	
79-01-6	Trichloroethene	35000	
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	8200	
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	220	
591-78-6	2-Hexanone	1000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-002ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7827.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 200.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	1300	
100-41-4	Ethylbenzene	240	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	460	
95-47-6	o-Xylene	260	
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-86-1	Bromobenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
87-61-6	1,2,3-Trichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	750	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-003ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7824.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 25.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	25	U
108-87-2	Methylcyclohexane	25	U
75-71-8	Dichlorodifluoromethane	25	U
74-87-3	Chloromethane	25	U
75-01-4	Vinyl chloride	31	
74-83-9	Bromomethane	25	U
75-00-3	Chloroethane	25	U
75-69-4	Trichlorofluoromethane	25	U
75-35-4	1,1-Dichloroethene	25	U
76-13-1	Freon-113	25	U
67-64-1	Acetone	85	J
75-15-0	Carbon disulfide	25	U
75-09-2	Methylene chloride	25	U
156-60-5	trans-1,2-Dichloroethene	25	U
1634-04-4	Methyl tert-butyl ether	25	U
75-34-3	1,1-Dichloroethane	25	U
156-59-2	cis-1,2-Dichloroethene	170	
78-93-3	2-Butanone	25	U
74-97-5	Bromochloromethane	25	U
67-66-3	Chloroform	25	U
71-55-6	1,1,1-Trichloroethane	25	U
110-82-7	Cyclohexane	25	U
56-23-5	Carbon tetrachloride	25	U
71-43-2	Benzene	3300	Z
107-06-2	1,2-Dichloroethane	40	
79-01-6	Trichloroethene	110	
78-87-5	1,2-Dichloropropane	25	U
75-27-4	Bromodichloromethane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
108-10-1	4-Methyl-2-pentanone	25	U
108-88-3	Toluene	3100	
10061-02-6	trans-1,3-Dichloropropene	25	U
79-00-5	1,1,2-Trichloroethane	25	U
127-18-4	Tetrachloroethene	25	U
591-78-6	2-Hexanone	130	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-003ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7824.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 25.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	25	U
106-93-4	1,2-Dibromoethane	25	U
108-90-7	Chlorobenzene	440	
100-41-4	Ethylbenzene	31	
630-20-6	1,1,1,2-Tetrachloroethane	25	U
179601-23-1	m,p-Xylene	94	
95-47-6	o-Xylene	28	
100-42-5	Styrene	25	U
75-25-2	Bromoform	25	U
98-82-8	Isopropylbenzene	25	U
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-86-1	Bromobenzene	25	U
541-73-1	1,3-Dichlorobenzene	25	U
106-46-7	1,4-Dichlorobenzene	25	U
87-61-6	1,2,3-Trichlorobenzene	25	U
95-50-1	1,2-Dichlorobenzene	25	U
96-12-8	1,2-Dibromo-3-chloropropane	25	U
120-82-1	1,2,4-Trichlorobenzene	25	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-004ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7853.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 200.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
79-20-9	Methyl Acetate	200	U
108-87-2	Methylcyclohexane	200	U
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	460	
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	Freon-113	200	U
67-64-1	Acetone	2100	
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	260	
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	240	
156-59-2	cis-1,2-Dichloroethene	4300	
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	230	
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	19000	
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	1100	
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	23000	
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	200	U
591-78-6	2-Hexanone	1000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATER

Lab Sample ID:

1605173-004A

Sample wt/vol:

5(g/mL) ML

Lab File ID:

16\H7853.D

Level: (low/med)

LOW

Date Received:

05/20/16

% Moisture: not dec.

Date Analyzed:

05/27/16GC Column: Rtx-624ID: .18 (mm)

Dilution Factor:

200.00

Soil Extract Volume:

(µL)

Soil Aliquot Volume

(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	3900	
100-41-4	Ethylbenzene	290	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	1100	
95-47-6	o-Xylene	290	
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-86-1	Bromobenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
87-61-6	1,2,3-Trichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-005ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7826.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____

(µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl chloride	120	
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
76-13-1	Freon-113	50	U
67-64-1	Acetone	260	
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	67	
156-59-2	cis-1,2-Dichloroethene	1100	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	120	Z
71-55-6	1,1,1-Trichloroethane	62	
110-82-7	Cyclohexane	50	U
56-23-5	Carbon tetrachloride	50	U
71-43-2	Benzene	7900	Z
107-06-2	1,2-Dichloroethane	190	
79-01-6	Trichloroethene	190	
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	3300	
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	50	U
591-78-6	2-Hexanone	250	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-005ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7826.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	1200	
100-41-4	Ethylbenzene	51	
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	150	
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-006ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7829.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 500.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	500	U
108-87-2	Methylcyclohexane	500	U
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl chloride	2600	
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	Freon-113	500	U
67-64-1	Acetone	5500	
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	1800	
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-butyl ether	500	U
75-34-3	1,1-Dichloroethane	620	
156-59-2	cis-1,2-Dichloroethene	18000	
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	500	U
67-66-3	Chloroform	760	Z
71-55-6	1,1,1-Trichloroethane	680	
110-82-7	Cyclohexane	500	U
56-23-5	Carbon tetrachloride	500	U
71-43-2	Benzene	52000	Z
107-06-2	1,2-Dichloroethane	1700	
79-01-6	Trichloroethene	750	
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-pentanone	530	
108-88-3	Toluene	69000	
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	500	U
591-78-6	2-Hexanone	2500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-006ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7829.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 500.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	13000	
100-41-4	Ethylbenzene	880	
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	3300	
95-47-6	o-Xylene	940	
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-86-1	Bromobenzene	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
87-61-6	1,2,3-Trichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 051816
(blind dup of EW-6)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-009ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7831.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 500.00

Soil Extract Volume: _____ (μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	500	U
108-87-2	Methylcyclohexane	500	U
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl chloride	2700	
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	Freon-113	500	U
67-64-1	Acetone	5800	
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	1700	
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-butyl ether	500	U
75-34-3	1,1-Dichloroethane	680	
156-59-2	cis-1,2-Dichloroethene	20000	
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	500	U
67-66-3	Chloroform	790	Z
71-55-6	1,1,1-Trichloroethane	750	
110-82-7	Cyclohexane	500	U
56-23-5	Carbon tetrachloride	500	U
71-43-2	Benzene	35000	Z
107-06-2	1,2-Dichloroethane	1800	
79-01-6	Trichloroethene	690	
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-pentanone	500	U
108-88-3	Toluene	72000	
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	500	U
591-78-6	2-Hexanone	2500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 051816
(blind dup of EW-6)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-009ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7831.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 500.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	13000	
100-41-4	Ethylbenzene	920	
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	3500	
95-47-6	o-Xylene	870	
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-86-1	Bromobenzene	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
87-61-6	1,2,3-Trichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-007ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7830.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 400.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	400	U
108-87-2	Methylcyclohexane	400	U
75-71-8	Dichlorodifluoromethane	400	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl chloride	2400	
74-83-9	Bromomethane	400	U
75-00-3	Chloroethane	400	U
75-69-4	Trichlorofluoromethane	400	U
75-35-4	1,1-Dichloroethene	400	U
76-13-1	Freon-113	400	U
67-64-1	Acetone	940	J
75-15-0	Carbon disulfide	400	U
75-09-2	Methylene chloride	400	U
156-60-5	trans-1,2-Dichloroethene	400	U
1634-04-4	Methyl tert-butyl ether	400	U
75-34-3	1,1-Dichloroethane	400	U
156-59-2	cis-1,2-Dichloroethene	8200	
78-93-3	2-Butanone	400	U
74-97-5	Bromochloromethane	400	U
67-66-3	Chloroform	400	U
71-55-6	1,1,1-Trichloroethane	400	U
110-82-7	Cyclohexane	400	U
56-23-5	Carbon tetrachloride	400	U
71-43-2	Benzene	32000	Z
107-06-2	1,2-Dichloroethane	400	U
79-01-6	Trichloroethene	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-pentanone	400	U
108-88-3	Toluene	52000	
10061-02-6	trans-1,3-Dichloropropene	400	U
79-00-5	1,1,2-Trichloroethane	400	U
127-18-4	Tetrachloroethene	400	U
591-78-6	2-Hexanone	2000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-007ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7830.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 400.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	400	U
106-93-4	1,2-Dibromoethane	400	U
108-90-7	Chlorobenzene	8100	
100-41-4	Ethylbenzene	660	
630-20-6	1,1,1,2-Tetrachloroethane	400	U
179601-23-1	m,p-Xylene	2100	
95-47-6	o-Xylene	550	
100-42-5	Styrene	400	U
75-25-2	Bromoform	400	U
98-82-8	Isopropylbenzene	400	U
79-34-5	1,1,2,2-Tetrachloroethane	400	U
108-86-1	Bromobenzene	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
87-61-6	1,2,3-Trichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
96-12-8	1,2-Dibromo-3-chloropropane	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605I73-008ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7823.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 10.00

Soil Extract Volume: _____

(μL)

Soil Aliquot Volume _____ (μL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μg/L or μg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon-113	10	U
67-64-1	Acetone	13	J
75-15-0	Carbon disulfide	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	1400	Z
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	36	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	50	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 051816

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water)

WATERLab Sample ID: 1605173-008ASample wt/vol: 5(g/mL) MLLab File ID: 16\H7823.D

Level: (low/med)

LOWDate Received: 05/20/16

% Moisture: not dec.

Date Analyzed: 05/27/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 10.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	71	
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-86-1	Bromobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-001BSample wt/vol: 1000 (g/mL) mlLab File ID: S6497.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	3	J
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	4	J
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	5	JZ
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	1	JZ
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	8	J
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-001BSample wt/vol: 1000 (g/mL) mlLab File ID: S6497.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	1	J
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-002BSample wt/vol: 1000 (g/mL) mlLab File ID: S6498.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
108-95-2	Phenol	45		
111-44-4	Bis(2-chloroethyl)ether	10		U
95-57-8	2-Chlorophenol	1		J
95-48-7	2-Methylphenol	46		
108-60-1	2,2'-oxybis(1-Chloropropane)	10		U
12-03-3	3-Methylphenol/4-Methylphenol	86		EZ
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	4		J
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	13		
111-91-1	Bis(2-chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
91-20-3	Naphthalene	11		
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	2		J
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	10		U
91-58-7	2-Chloronaphthalene	5		U
88-74-4	2-Nitroaniline	10		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	5		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	10		U
83-32-9	Acenaphthene	5		U
51-28-5	2,4-Dinitrophenol	10		U
100-02-7	4-Nitrophenol	10		U
132-64-9	Dibenzofuran	5		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
86-73-7	Fluorene	5		U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-002B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S6498.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 05/31/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	18	
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605173-002BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S6611.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 06/06/16

Injection Volume: 1 (µL)

Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	44	D
111-44-4	Bis(2-chloroethyl)ether	20	U
95-57-8	2-Chlorophenol	20	U
95-48-7	2-Methylphenol	43	D
108-60-1	2,2'-oxybis(1-Chloropropane)	20	U
12-03-3	3-Methylphenol/4-Methylphenol	86	D
621-64-7	N-Nitroso-di-n-propylamine	20	U
67-72-1	Hexachloroethane	20	U
98-95-3	Nitrobenzene	20	U
78-59-1	Isophorone	5	DJ
88-75-5	2-Nitrophenol	20	U
105-67-9	2,4-Dimethylphenol	14	DJZ
111-91-1	Bis(2-chloroethoxy)methane	20	U
120-83-2	2,4-Dichlorophenol	20	U
91-20-3	Naphthalene	12	D
106-47-8	4-Chloroaniline	20	U
87-68-3	Hexachlorobutadiene	20	U
59-50-7	4-Chloro-3-methylphenol	20	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	20	U
88-06-2	2,4,6-Trichlorophenol	20	U
95-95-4	2,4,5-Trichlorophenol	20	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethylphthalate	20	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	20	U
99-09-2	3-Nitroaniline	20	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	20	U
100-02-7	4-Nitrophenol	20	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	20	U
84-66-2	Diethylphthalate	20	U
7005-72-3	4-Chlorophenyl-phenylether	20	U
86-73-7	Fluorene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-002BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S6611.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 06/06/16Injection Volume: 1 (µL)Dilution Factor: 2.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	20	U
534-52-1	4,6-Dinitro-2-methylphenol	20	U
86-30-6	N-Nitrosodiphenylamine	20	U
101-55-3	4-Bromophenyl-phenylether	20	U
118-74-1	Hexachlorobenzene	20	U
87-86-5	Pentachlorophenol	13	DJZ
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	20	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	20	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	20	U
117-84-0	Di-n-octyl phthalate	20	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-003B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S6499.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 05/31/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	3	J
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	1	J
95-48-7	2-Methylphenol	11	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	73	
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605173-003B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S6499.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 05/31/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-004BSample wt/vol: 1000 (g/mL) mlLab File ID: S6500.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	200	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	
95-48-7	2-Methylphenol	140	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	450	EZ
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	86	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	13	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-004BSample wt/vol: 1000 (g/mL) mlLab File ID: S6500.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-004BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S6612.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 06/06/16

Injection Volume: 1 (µL)

Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	200	D
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	120	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	500	D
621-64-7	N-Nitroso-di-n-propylamine	200	U
67-72-1	Hexachloroethane	200	U
98-95-3	Nitrobenzene	200	U
78-59-1	Isophorone	200	U
88-75-5	2-Nitrophenol	200	U
105-67-9	2,4-Dimethylphenol	110	DJZ
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	100	U
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	200	U
91-57-6	2-Methylnaphthalene	100	U
77-47-4	Hexachlorocyclopentadiene	200	U
88-06-2	2,4,6-Trichlorophenol	200	U
95-95-4	2,4,5-Trichlorophenol	200	U
91-58-7	2-Chloronaphthalene	100	U
88-74-4	2-Nitroaniline	200	U
131-11-3	Dimethylphthalate	200	U
208-96-8	Acenaphthylene	100	U
606-20-2	2,6-Dinitrotoluene	200	U
99-09-2	3-Nitroaniline	200	U
83-32-9	Acenaphthene	100	U
51-28-5	2,4-Dinitrophenol	200	U
100-02-7	4-Nitrophenol	200	U
132-64-9	Dibenzofuran	100	U
121-14-2	2,4-Dinitrotoluene	200	U
84-66-2	Diethylphthalate	200	U
7005-72-3	4-Chlorophenyl-phenylether	200	U
86-73-7	Fluorene	100	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-004BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S6612.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 06/06/16Injection Volume: 1 (µL)Dilution Factor: 20.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	200	U
534-52-1	4,6-Dinitro-2-methylphenol	200	U
86-30-6	N-Nitrosodiphenylamine	200	U
101-55-3	4-Bromophenyl-phenylether	200	U
118-74-1	Hexachlorobenzene	200	U
87-86-5	Pentachlorophenol	200	U
85-01-8	Phenanthrene	100	U
120-12-7	Anthracene	100	U
86-74-8	Carbazole	100	U
84-74-2	Di-n-butyl phthalate	200	U
206-44-0	Fluoranthene	100	U
129-00-0	Pyrene	100	U
85-68-7	Butyl benzyl phthalate	200	U
91-94-1	3,3'-Dichlorobenzidine	200	U
56-55-3	Benzo(a)anthracene	100	U
218-01-9	Chrysene	100	U
117-81-7	Bis(2-ethylhexyl)phthalate	200	U
117-84-0	Di-n-octyl phthalate	200	U
205-99-2	Benzo(b)fluoranthene	100	U
207-08-9	Benzo(k)fluoranthene	100	U
50-32-8	Benzo(a)pyrene	100	U
193-39-5	Indeno(1,2,3-cd)pyrene	100	U
53-70-3	Dibenzo(a,h)anthracene	100	U
191-24-2	Benzo(g,h,i)perylene	100	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-005B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S6501.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 05/31/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO. COMPOUND (µg/L or µg/Kg) UG/L Q

108-95-2	Phenol	16	
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	1	J
95-48-7	2-Methylphenol	21	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	65	
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	15	
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605173-005B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S6501.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 05/31/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-006B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S6502.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 05/31/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	660	E
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	24	
95-48-7	2-Methylphenol	480	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	1300	EZ
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	350	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	2	J
91-20-3	Naphthalene	7	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-006BSample wt/vol: 1000 (g/mL) mlLab File ID: S6502.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-006BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S6613.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 06/06/16

Injection Volume: 1 (µL)

Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	900	D
111-44-4	Bis(2-chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	690	D
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
12-03-3	3-Methylphenol/4-Methylphenol	2100	D
621-64-7	N-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	560	DZ
111-91-1	Bis(2-chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
91-20-3	Naphthalene	250	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	250	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	250	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	250	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U
83-32-9	Acenaphthene	250	U
51-28-5	2,4-Dinitrophenol	500	U
100-02-7	4-Nitrophenol	500	U
132-64-9	Dibenzofuran	250	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
86-73-7	Fluorene	250	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-006BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S6613.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 06/06/16Injection Volume: 1 (µL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	N-Nitrosodiphenylamine	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	250	U
120-12-7	Anthracene	250	U
86-74-8	Carbazole	250	U
84-74-2	Di-n-butyl phthalate	500	U
206-44-0	Fluoranthene	250	U
129-00-0	Pyrene	250	U
85-68-7	Butyl benzyl phthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
56-55-3	Benzo(a)anthracene	250	U
218-01-9	Chrysene	250	U
117-81-7	Bis(2-ethylhexyl)phthalate	500	U
117-84-0	Di-n-octyl phthalate	500	U
205-99-2	Benzo(b)fluoranthene	250	U
207-08-9	Benzo(k)fluoranthene	250	U
50-32-8	Benzo(a)pyrene	250	U
193-39-5	Indeno(1,2,3-cd)pyrene	250	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	250	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1
(blind dup of EW-6)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-009BSample wt/vol: 1000 (g/mL) mlLab File ID: S6507.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
108-95-2	Phenol	770		E
111-44-4	Bis(2-chloroethyl) ether	10		U
95-57-8	2-Chlorophenol	25		
95-48-7	2-Methylphenol	570		E
108-60-1	2,2'-oxybis(1-Chloropropane)	10		U
12-03-3	3-Methylphenol/4-Methylphenol	1500		EZ
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	370		E
111-91-1	Bis(2-chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	2		J
91-20-3	Naphthalene	7		
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	5		U
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	10		U
91-58-7	2-Chloronaphthalene	5		U
88-74-4	2-Nitroaniline	10		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	5		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	10		U
83-32-9	Acenaphthene	5		U
51-28-5	2,4-Dinitrophenol	10		U
100-02-7	4-Nitrophenol	10		U
132-64-9	Dibenzofuran	5		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	1		J
7005-72-3	4-Chlorophenyl-phenylether	10		U
86-73-7	Fluorene	5		U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1
(blind dup of EW-6)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605173-009BSample wt/vol: 1000 (g/mL) mlLab File ID: S6507.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1DL
(blind dup of EW-6)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-009BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S6615.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 06/06/16Injection Volume: 1 (µL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	770	D
111-44-4	Bis(2-chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	460	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
12-03-3	3-Methylphenol/4-Methylphenol	1600	D
621-64-7	N-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	370	DJZ
111-91-1	Bis(2-chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
91-20-3	Naphthalene	250	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	250	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	250	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	250	U
606-20-2	2,6-Dinitrotoluene	500	U
99-09-2	3-Nitroaniline	500	U
83-32-9	Acenaphthene	250	U
51-28-5	2,4-Dinitrophenol	500	U
100-02-7	4-Nitrophenol	500	U
132-64-9	Dibenzofuran	250	U
121-14-2	2,4-Dinitrotoluene	500	U
84-66-2	Diethylphthalate	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
86-73-7	Fluorene	250	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1DL
(blind dup of EW-6)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-009BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S6615.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 06/06/16Injection Volume: 1 (µL)Dilution Factor: 50.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	500	U
534-52-1	4,6-Dinitro-2-methylphenol	500	U
86-30-6	N-Nitrosodiphenylamine	500	U
101-55-3	4-Bromophenyl-phenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	500	U
85-01-8	Phenanthrene	250	U
120-12-7	Anthracene	250	U
86-74-8	Carbazole	250	U
84-74-2	Di-n-butyl phthalate	500	U
206-44-0	Fluoranthene	250	U
129-00-0	Pyrene	250	U
85-68-7	Butyl benzyl phthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	500	U
56-55-3	Benzo(a)anthracene	250	U
218-01-9	Chrysene	250	U
117-81-7	Bis(2-ethylhexyl)phthalate	500	U
117-84-0	Di-n-octyl phthalate	500	U
205-99-2	Benzo(b)fluoranthene	250	U
207-08-9	Benzo(k)fluoranthene	250	U
50-32-8	Benzo(a)pyrene	250	U
193-39-5	Indeno(1,2,3-cd)pyrene	250	U
53-70-3	Dibenzo(a,h)anthracene	250	U
191-24-2	Benzo(g,h,i)perylene	250	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-007BSample wt/vol: 1000 (g/mL) mlLab File ID: S6505.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
108-95-2	Phenol	95	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	5	J
95-48-7	2-Methylphenol	120	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	970	EZ
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	300	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	4	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-007B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S6505.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 05/31/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-007BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S6614.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 06/06/16

Injection Volume: 1 (µL)

Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	70	DJ
111-44-4	Bis(2-chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	250	U
95-48-7	2-Methylphenol	77	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	250	U
12-03-3	3-Methylphenol/4-Methylphenol	840	D
621-64-7	N-Nitroso-di-n-propylamine	250	U
67-72-1	Hexachloroethane	250	U
98-95-3	Nitrobenzene	250	U
78-59-1	Isophorone	250	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	310	DZ
111-91-1	Bis(2-chloroethoxy)methane	250	U
120-83-2	2,4-Dichlorophenol	250	U
91-20-3	Naphthalene	130	U
106-47-8	4-Chloroaniline	250	U
87-68-3	Hexachlorobutadiene	250	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	130	U
77-47-4	Hexachlorocyclopentadiene	250	U
88-06-2	2,4,6-Trichlorophenol	250	U
95-95-4	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	130	U
88-74-4	2-Nitroaniline	250	U
131-11-3	Dimethylphthalate	250	U
208-96-8	Acenaphthylene	130	U
606-20-2	2,6-Dinitrotoluene	250	U
99-09-2	3-Nitroaniline	250	U
83-32-9	Acenaphthene	130	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	U
132-64-9	Dibenzofuran	130	U
121-14-2	2,4-Dinitrotoluene	250	U
84-66-2	Diethylphthalate	250	U
7005-72-3	4-Chlorophenyl-phenylether	250	U
86-73-7	Fluorene	130	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460

Matrix: (soil/water) WATER

Lab Sample ID: 1605I73-007BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S6614.D

Level: (low/med) LOW

Date Received: 05/20/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 05/25/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 06/06/16

Injection Volume: 1 (µL)

Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	250	U
534-52-1	4,6-Dinitro-2-methylphenol	250	U
86-30-6	N-Nitrosodiphenylamine	250	U
101-55-3	4-Bromophenyl-phenylether	250	U
118-74-1	Hexachlorobenzene	250	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	130	U
120-12-7	Anthracene	130	U
86-74-8	Carbazole	130	U
84-74-2	Di-n-butyl phthalate	250	U
206-44-0	Fluoranthene	130	U
129-00-0	Pyrene	130	U
85-68-7	Butyl benzyl phthalate	250	U
91-94-1	3,3'-Dichlorobenzidine	250	U
56-55-3	Benzo(a)anthracene	130	U
218-01-9	Chrysene	130	U
117-81-7	Bis(2-ethylhexyl)phthalate	250	U
117-84-0	Di-n-octyl phthalate	250	U
205-99-2	Benzo(b)fluoranthene	130	U
207-08-9	Benzo(k)fluoranthene	130	U
50-32-8	Benzo(a)pyrene	130	U
193-39-5	Indeno(1,2,3-cd)pyrene	130	U
53-70-3	Dibenzo(a,h)anthracene	130	U
191-24-2	Benzo(g,h,i)perylene	130	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-008BSample wt/vol: 1000 (g/mL) mlLab File ID: S6506.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	2	J
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	1	J
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	1	JZ
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	1	J
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY460Matrix: (soil/water) WATERLab Sample ID: 1605I73-008BSample wt/vol: 1000 (g/mL) mlLab File ID: S6506.DLevel: (low/med) LOWDate Received: 05/20/16% Moisture: Decanted: (Y/N) NDate Extracted: 05/25/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 05/31/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-1 051816
Lab Sample ID: 16050051-02 (AT10283)

Collection Date: 05/18/2016 07:00
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-5	SW-846 Method 8082A	06/02/2016 10:42	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-5
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-5
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-5
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-5
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-5
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-5
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-5
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	88.5	39.3-121		GC28F-1938-5
Decachlorobiphenyl	2051-24-3	87.2	10.0-160		GC28F-1938-5
Tetrachloro-meta-xylene	877-09-8	86.3	39.3-121		GC28B-1935-5
Decachlorobiphenyl	2051-24-3	85.9	10.0-160		GC28B-1935-5

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-2 051816
Lab Sample ID: 16050051-03 (AT10284)

Collection Date: 05/18/2016 07:30
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-6	SW-846 Method 8082A	06/02/2016 10:56	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-6
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-6
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-6
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-6
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-6
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-6
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-6
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	78.7	39.3-121		GC28F-1938-6
Decachlorobiphenyl	2051-24-3	85.9	10.0-160		GC28F-1938-6
Tetrachloro-meta-xylene	877-09-8	76.7	39.3-121		GC28B-1935-6
Decachlorobiphenyl	2051-24-3	83.6	10.0-160		GC28B-1935-6

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-3 051816
Lab Sample ID: 16050051-04 (AT10285)

Collection Date: 05/18/2016 08:00
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-7	SW-846 Method 8082A	06/02/2016 11:09	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1060 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-7
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-7
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-7
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-7
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-7
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-7
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-7
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	87.5	39.3-121		GC28F-1938-7
Decachlorobiphenyl	2051-24-3	93.4	10.0-160		GC28F-1938-7
Tetrachloro-meta-xylene	877-09-8	82.3	39.3-121		GC28B-1935-7
Decachlorobiphenyl	2051-24-3	89.4	10.0-160		GC28B-1935-7

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-4 051816
Lab Sample ID: 16050051-05 (AT10286)

Collection Date: 05/18/2016 08:30
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-8	SW-846 Method 8082A	06/02/2016 11:23	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-8
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-8
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-8
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-8
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-8
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-8
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-8
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	87.5	39.3-121		GC28F-1938-8
Decachlorobiphenyl	2051-24-3	92.9	10.0-160		GC28F-1938-8
Tetrachloro-meta-xylene	877-09-8	96.6	39.3-121		GC28B-1935-8
Decachlorobiphenyl	2051-24-3	90.0	10.0-160		GC28B-1935-8

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-5 051816
Lab Sample ID: 16050051-06 (AT10287)

Collection Date: 05/18/2016 09:00
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-9	SW-846 Method 8082A	06/02/2016 11:37	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-9
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-9
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-9
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-9
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-9
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-9
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-9
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	84.2	39.3-121		GC28F-1938-9
Decachlorobiphenyl	2051-24-3	87.3	10.0-160		GC28F-1938-9
Tetrachloro-meta-xylene	877-09-8	81.7	39.3-121		GC28B-1935-9
Decachlorobiphenyl	2051-24-3	85.8	10.0-160		GC28B-1935-9

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-6 051816
Lab Sample ID: 16050051-07 (AT10288)

Collection Date: 05/18/2016 09:30
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-10	SW-846 Method 8082A	06/02/2016 11:51	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-10
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-10
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-10
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-10
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-10
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-10
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-10
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	104	39.3-121		GC28F-1938-10
Decachlorobiphenyl	2051-24-3	94.9	10.0-160		GC28F-1938-10
Tetrachloro-meta-xylene	877-09-8	83.5	39.3-121		GC28B-1935-10
Decachlorobiphenyl	2051-24-3	89.6	10.0-160		GC28B-1935-10

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: DUP-1 051816 (blind dup of EW-6)
Lab Sample ID: 16050051-10 (AT10291)

Collection Date: 05/18/2016
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-17	SW-846 Method 8082A	06/02/2016 13:28	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-17
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-17
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-17
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-17
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-17
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-17
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-17
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	80.8	39.3-121		GC28F-1938-17
Decachlorobiphenyl	2051-24-3	87.5	10.0-160		GC28F-1938-17
Tetrachloro-meta-xylene	877-09-8	77.9	39.3-121		GC28B-1935-17
Decachlorobiphenyl	2051-24-3	85.9	10.0-160		GC28B-1935-17

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-7 051816
Lab Sample ID: 16050051-08 (AT10289)

Collection Date: 05/18/2016 10:00
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-15	SW-846 Method 8082A	06/02/2016 13:01	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1060 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-15
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-15
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-15
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-15
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-15
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-15
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-15
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-15

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	64.4	39.3-121		GC28F-1938-15
Decachlorobiphenyl	2051-24-3	99.4	10.0-160		GC28F-1938-15
Tetrachloro-meta-xylene	877-09-8	73.4	39.3-121		GC28B-1935-15
Decachlorobiphenyl	2051-24-3	92.5	10.0-160		GC28B-1935-15

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16050051

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-8 051816
Lab Sample ID: 16050051-09 (AT10290)

Collection Date: 05/18/2016 10:30
Sample Matrix: WATER
Received Date: 05/18/2016 14:05
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1938-16	SW-846 Method 8082A	06/02/2016 13:14	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34002	EPA 3535A	06/01/2016 11:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-1938-16
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1938-16
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1938-16
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1938-16
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1938-16
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1938-16
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1938-16
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1938-16

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	90.4	39.3-121		GC28F-1938-16
Decachlorobiphenyl	2051-24-3	90.4	10.0-160		GC28F-1938-16
Tetrachloro-meta-xylene	877-09-8	87.6	39.3-121		GC28B-1935-16
Decachlorobiphenyl	2051-24-3	89.2	10.0-160		GC28B-1935-16

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-1 051816

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-001Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	36.4	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	8.9	J		P
7440-39-3	Barium	70.9	J	~~E~~	P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	27000		E	P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.1	J		P
7439-89-6	Iron	59.5	J		P
7439-92-1	Lead	9.0			P
7439-95-4	Magnesium	5590		E	P
7439-96-5	Manganese	298		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	56700			P
7440-28-0	Thallium	2.5	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	439		E	P

ms 7/15/16

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-2 051816

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-002Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	35.4	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	7.1	J		P
7440-39-3	Barium	201		E	P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	23700		E	P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	2.5	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	2.0	J		P
7439-95-4	Magnesium	5450		E	P
7439-96-5	Manganese	513		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	54500			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	35.7		E	P

7/15/16

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-3 051816

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-003Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	246		<i>/</i>	P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	8440		E	P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	2.5	J		P
7439-95-4	Magnesium	329	J	E	P
7439-96-5	Manganese	88.7		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	165000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	95.6		E	P

*Ans 7/15/16*Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-4 051816

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-004Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.1	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	3.7	J		P
7440-39-3	Barium	2670		☒	P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	46700		E	P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	3.2	J		P
7439-89-6	Iron	58.3	J		P
7439-92-1	Lead	3.9	J		P
7439-95-4	Magnesium	2990		E	P
7439-96-5	Manganese	1020		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	159000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	1110		E	P

7/15/16

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-5 051816

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-005Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23.3	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	13.1			P
7440-39-3	Barium	574			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	61900		E	P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	2.1	J		P
7439-89-6	Iron	188			P
7439-92-1	Lead	3.0	J		P
7439-95-4	Magnesium	7300		E	P
7439-96-5	Manganese	595		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	130000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	1510		E	P

CW 7/15/16

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-6 051816

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-006Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.2	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10.9			P
7440-39-3	Barium	5450		~~E~~	P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	204000		E	P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.4	J		P
7439-89-6	Iron	607			P
7439-92-1	Lead	7.4			P
7439-95-4	Magnesium	33000		E	P
7439-96-5	Manganese	2140		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	747	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	40300			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	311		E	P

Ch 7/15/16

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

DUP-1 051816

(blind dup of EW-6)

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-009Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	9.8	J		P
7440-39-3	Barium	5950		~~E~~	P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	221000		E	P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.0	J		P
7439-89-6	Iron	599			P
7439-92-1	Lead	8.5			P
7439-95-4	Magnesium	36000		E	P
7439-96-5	Manganese	2310		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	835	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	43800			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	112		E	P

P/hr 7/15/16

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-7 051816

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-007Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200 U			P
7440-36-0	Antimony	60 U			P
7440-38-2	Arsenic	5.6 J			P
7440-39-3	Barium	4540		☒	P
7440-41-7	Beryllium	5.0 U			P
7440-43-9	Cadmium	2.5 U			P
7440-70-2	Calcium	198000		E	P
7440-47-3	Chromium	10 U			P
7440-48-4	Cobalt	50 U			P
7440-50-8	Copper	0.80 J			P
7439-89-6	Iron	548			P
7439-92-1	Lead	7.2			P
7439-95-4	Magnesium	53200		E	P
7439-96-5	Manganese	1030		E	P
7439-97-6	Mercury	0.20 U			CV
7440-02-0	Nickel	40 U			P
7440-09-7	Potassium	978 J			P
7782-49-2	Selenium	10 U		N	P
7440-22-4	Silver	10 U			P
7440-23-5	Sodium	24600			P
7440-28-0	Thallium	10 U			P
7440-62-2	Vanadium	50 U			P
7440-66-6	Zinc	4.5 J		E	P

7/15/16

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-8 051816

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY460Matrix (soil/water): WATERLab Sample ID: 1605I73-008Level (low/med): LOWDate Received: 05/20/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	199	J	~~E~~	P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	13400		E	P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.0	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	2.4	J		P
7439-95-4	Magnesium	1190		E	P
7439-96-5	Manganese	170		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	144000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	20	U	E	P

lw 7/15/16

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 7/15/16

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-1 051816
Lab Code: R1605244-001

Service Request: R1605244
Date Collected: 5/18/16 0700
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	6.6		0.20	0.020	1	5/23/16	5/23/16 17:41	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	101	64-124	5/23/16 17:41	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-2 051816
Lab Code: R1605244-002

Service Request: R1605244
Date Collected: 5/18/16 0730
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	66		0.20	0.020	1	5/23/16	5/23/16 17:59	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	95	64-124	5/23/16 17:59	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-3 051816
Lab Code: R1605244-003

Service Request: R1605244
Date Collected: 5/18/16 0800
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	100		2.0	0.20	1	5/23/16	5/23/16 18:17	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	94	64-124	5/23/16 18:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-4 051816
Lab Code: R1605244-004

Service Request: R1605244
Date Collected: 5/18/16 0830
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	280		2.0	0.20	1	5/23/16	5/23/16 18:34	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	98	64-124	5/23/16 18:34	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-5 051816
Lab Code: R1605244-005

Service Request: R1605244
Date Collected: 5/18/16 0900
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	180		2.0	0.20	1	5/23/16	5/23/16 18:52	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	101	64-124	5/23/16 18:52	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-6 051816
Lab Code: R1605244-006

Service Request: R1605244
Date Collected: 5/18/16 0930
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	920		2.0	0.20	1	5/23/16	5/23/16 19:09	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	96	64-124	5/23/16 19:09	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water

Service Request: R1605244
Date Collected: 5/18/16
Date Received: 5/19/16

Sample Name: DUP-2 051816 (blind dup of EW-6)
Lab Code: R1605244-009

Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	980		2.0	0.20	1	5/23/16	5/23/16 20:39	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	103	64-124	5/23/16 20:39	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-7 051816
Lab Code: R1605244-007

Service Request: R1605244
Date Collected: 5/18/16 1000
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	1200		4.0	0.40	2	5/23/16	5/24/16 14:17	262031	497887	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	101	64-124	5/24/16 14:17	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16050054/Dewey Loeffel
Sample Matrix: Water
Sample Name: EW-8 051816
Lab Code: R1605244-008

Service Request: R1605244
Date Collected: 5/18/16 1030
Date Received: 5/19/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	74		0.20	0.020	1	5/23/16	5/23/16 20:22	262031	497750	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	95	64-124	5/23/16 20:22	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-001ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27577.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl chloride	50	U
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
76-13-1	Freon-113	50	U
67-64-1	Acetone	250	U
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	50	U
156-59-2	cis-1,2-Dichloroethene	550	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	50	U
71-55-6	1,1,1-Trichloroethane	50	U
110-82-7	Cyclohexane	50	U
56-23-5	Carbon tetrachloride	50	U
71-43-2	Benzene	540	
107-06-2	1,2-Dichloroethane	110	
79-01-6	Trichloroethene	6500	
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	200	
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	50	U
591-78-6	2-Hexanone	250	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-001ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27577.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	120	
100-41-4	Ethylbenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	50	U
95-47-6	o-Xylene	50	U
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	91	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-002ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27578.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 200.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
79-20-9	Methyl Acetate	200	U
108-87-2	Methylcyclohexane	200	U
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	340	
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	Freon-113	200	U
67-64-1	Acetone	340	J
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	1900	
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	6000	
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	880	
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	4100	
107-06-2	1,2-Dichloroethane	770	
79-01-6	Trichloroethene	31000	
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	7500	
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	270	
591-78-6	2-Hexanone	1000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-002ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27578.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 200.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	1200	
100-41-4	Ethylbenzene	310	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	640	
95-47-6	o-Xylene	370	
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-86-1	Bromobenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
87-61-6	1,2,3-Trichlorobenzene	230	
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	1100	

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-003ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27579.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 20.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	20	U
108-87-2	Methylcyclohexane	20	U
75-71-8	Dichlorodifluoromethane	20	U
74-87-3	Chloromethane	20	U
75-01-4	Vinyl chloride	39	
74-83-9	Bromomethane	20	U
75-00-3	Chloroethane	20	U
75-69-4	Trichlorofluoromethane	20	U
75-35-4	1,1-Dichloroethene	20	U
76-13-1	Freon-113	20	U
67-64-1	Acetone	44	J
75-15-0	Carbon disulfide	20	U
75-09-2	Methylene chloride	20	U
156-60-5	trans-1,2-Dichloroethene	20	U
1634-04-4	Methyl tert-butyl ether	20	U
75-34-3	1,1-Dichloroethane	20	U
156-59-2	cis-1,2-Dichloroethene	140	
78-93-3	2-Butanone	20	U
74-97-5	Bromochloromethane	20	U
67-66-3	Chloroform	20	U
71-55-6	1,1,1-Trichloroethane	20	U
110-82-7	Cyclohexane	20	U
56-23-5	Carbon tetrachloride	20	U
71-43-2	Benzene	2500	
107-06-2	1,2-Dichloroethane	27	
79-01-6	Trichloroethene	94	
78-87-5	1,2-Dichloropropane	20	U
75-27-4	Bromodichloromethane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
108-10-1	4-Methyl-2-pentanone	20	U
108-88-3	Toluene	2700	
10061-02-6	trans-1,3-Dichloropropene	20	U
79-00-5	1,1,2-Trichloroethane	20	U
127-18-4	Tetrachloroethene	20	U
591-78-6	2-Hexanone	100	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATER

Lab Sample ID: 1608020-003A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 6\J27579.D

Level: (low/med)

LOW

Date Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 20.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	20	U
106-93-4	1,2-Dibromoethane	20	U
108-90-7	Chlorobenzene	390	
100-41-4	Ethylbenzene	34	
630-20-6	1,1,1,2-Tetrachloroethane	20	U
179601-23-1	m,p-Xylene	120	
95-47-6	o-Xylene	39	
100-42-5	Styrene	20	U
75-25-2	Bromoform	20	U
98-82-8	Isopropylbenzene	20	U
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-86-1	Bromobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
87-61-6	1,2,3-Trichlorobenzene	20	U
95-50-1	1,2-Dichlorobenzene	20	U
96-12-8	1,2-Dibromo-3-chloropropane	20	U
120-82-1	1,2,4-Trichlorobenzene	20	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATER

Lab Sample ID: 1608020-004A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 6\J27580.D

Level: (low/med)

LOW

Date Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 200.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	200	U
108-87-2	Methylcyclohexane	200	U
75-71-8	Dichlorodifluoromethane	200	U
74-87-3	Chloromethane	200	U
75-01-4	Vinyl chloride	610	
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	200	U
76-13-1	Freon-113	200	U
67-64-1	Acetone	1800	
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	410	
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	200	U
156-59-2	cis-1,2-Dichloroethene	4800	
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	220	
71-55-6	1,1,1-Trichloroethane	200	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	16000	
107-06-2	1,2-Dichloroethane	510	~~U~~
79-01-6	Trichloroethene	1000	
78-87-5	1,2-Dichloropropane	200	U
75-27-4	Bromodichloromethane	200	U
10061-01-5	cis-1,3-Dichloropropene	200	U
108-10-1	4-Methyl-2-pentanone	200	U
108-88-3	Toluene	22000	
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	200	U
591-78-6	2-Hexanone	1000	U

4409/13/16

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-004ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27580.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 200.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	4000	
100-41-4	Ethylbenzene	380	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	1500	
95-47-6	o-Xylene	440	
100-42-5	Styrene	200	U
75-25-2	Bromoform	200	U
98-82-8	Isopropylbenzene	200	U
79-34-5	1,1,2,2-Tetrachloroethane	200	U
108-86-1	Bromobenzene	200	U
541-73-1	1,3-Dichlorobenzene	200	U
106-46-7	1,4-Dichlorobenzene	200	U
87-61-6	1,2,3-Trichlorobenzene	200	U
95-50-1	1,2-Dichlorobenzene	200	U
96-12-8	1,2-Dibromo-3-chloropropane	200	U
120-82-1	1,2,4-Trichlorobenzene	200	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-005ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27581.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	50	U
108-87-2	Methylcyclohexane	50	U
75-71-8	Dichlorodifluoromethane	50	U
74-87-3	Chloromethane	50	U
75-01-4	Vinyl chloride	160	
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	50	U
76-13-1	Freon-113	50	U
67-64-1	Acetone	140	J
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	50	U
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	52	
156-59-2	cis-1,2-Dichloroethene	1100	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	89	
71-55-6	1,1,1-Trichloroethane	50	U
110-82-7	Cyclohexane	50	U
56-23-5	Carbon tetrachloride	50	U
71-43-2	Benzene	6400	
107-06-2	1,2-Dichloroethane	150	
79-01-6	Trichloroethene	140	
78-87-5	1,2-Dichloropropane	50	U
75-27-4	Bromodichloromethane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
108-10-1	4-Methyl-2-pentanone	50	U
108-88-3	Toluene	3300	
10061-02-6	trans-1,3-Dichloropropene	50	U
79-00-5	1,1,2-Trichloroethane	50	U
127-18-4	Tetrachloroethene	50	U
591-78-6	2-Hexanone	250	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-005ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27581.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 50.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	50	U
106-93-4	1,2-Dibromoethane	50	U
108-90-7	Chlorobenzene	1100	
100-41-4	Ethylbenzene	62	
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	200	
95-47-6	o-Xylene	68	
100-42-5	Styrene	50	U
75-25-2	Bromoform	50	U
98-82-8	Isopropylbenzene	50	U
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-86-1	Bromobenzene	50	U
541-73-1	1,3-Dichlorobenzene	50	U
106-46-7	1,4-Dichlorobenzene	50	U
87-61-6	1,2,3-Trichlorobenzene	50	U
95-50-1	1,2-Dichlorobenzene	50	U
96-12-8	1,2-Dibromo-3-chloropropane	50	U
120-82-1	1,2,4-Trichlorobenzene	50	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-006ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27582.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 500.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	500	U
108-87-2	Methylcyclohexane	500	U
75-71-8	Dichlorodifluoromethane	500	U
74-87-3	Chloromethane	500	U
75-01-4	Vinyl chloride	3700	
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	500	U
76-13-1	Freon-113	500	U
67-64-1	Acetone	3900	
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	1500	
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-butyl ether	500	U
75-34-3	1,1-Dichloroethane	520	
156-59-2	cis-1,2-Dichloroethene	19000	
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	500	U
67-66-3	Chloroform	500	U
71-55-6	1,1,1-Trichloroethane	500	U
110-82-7	Cyclohexane	500	U
56-23-5	Carbon tetrachloride	500	U
71-43-2	Benzene	42000	
107-06-2	1,2-Dichloroethane	1100	
79-01-6	Trichloroethene	540	
78-87-5	1,2-Dichloropropane	500	U
75-27-4	Bromodichloromethane	500	U
10061-01-5	cis-1,3-Dichloropropene	500	U
108-10-1	4-Methyl-2-pentanone	500	U
108-88-3	Toluene	67000	
10061-02-6	trans-1,3-Dichloropropene	500	U
79-00-5	1,1,2-Trichloroethane	500	U
127-18-4	Tetrachloroethene	500	U
591-78-6	2-Hexanone	2500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-006ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27582.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 500.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	500	U
106-93-4	1,2-Dibromoethane	500	U
108-90-7	Chlorobenzene	12000	
100-41-4	Ethylbenzene	1000	
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	4200	
95-47-6	o-Xylene	1300	
100-42-5	Styrene	500	U
75-25-2	Bromoform	500	U
98-82-8	Isopropylbenzene	500	U
79-34-5	1,1,2,2-Tetrachloroethane	500	U
108-86-1	Bromobenzene	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
87-61-6	1,2,3-Trichlorobenzene	500	U
95-50-1	1,2-Dichlorobenzene	500	U
96-12-8	1,2-Dibromo-3-chloropropane	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-007ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27583.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 400.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	400	U
108-87-2	Methylcyclohexane	400	U
75-71-8	Dichlorodifluoromethane	400	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl chloride	3100	
74-83-9	Bromomethane	400	U
75-00-3	Chloroethane	400	U
75-69-4	Trichlorofluoromethane	400	U
75-35-4	1,1-Dichloroethene	400	U
76-13-1	Freon-113	400	U
67-64-1	Acetone	440	J
75-15-0	Carbon disulfide	400	U
75-09-2	Methylene chloride	400	U
156-60-5	trans-1,2-Dichloroethene	400	U
1634-04-4	Methyl tert-butyl ether	400	U
75-34-3	1,1-Dichloroethane	400	U
156-59-2	cis-1,2-Dichloroethene	8400	
78-93-3	2-Butanone	400	U
74-97-5	Bromochloromethane	400	U
67-66-3	Chloroform	400	U
71-55-6	1,1,1-Trichloroethane	400	U
110-82-7	Cyclohexane	400	U
56-23-5	Carbon tetrachloride	400	U
71-43-2	Benzene	28000	
107-06-2	1,2-Dichloroethane	400	U
79-01-6	Trichloroethene	400	U
78-87-5	1,2-Dichloropropane	400	U
75-27-4	Bromodichloromethane	400	U
10061-01-5	cis-1,3-Dichloropropene	400	U
108-10-1	4-Methyl-2-pentanone	400	U
108-88-3	Toluene	47000	
10061-02-6	trans-1,3-Dichloropropene	400	U
79-00-5	1,1,2-Trichloroethane	400	U
127-18-4	Tetrachloroethene	400	U
591-78-6	2-Hexanone	2000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-007ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27583.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 400.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	400	U
106-93-4	1,2-Dibromoethane	400	U
108-90-7	Chlorobenzene	7700	
100-41-4	Ethylbenzene	690	
630-20-6	1,1,1,2-Tetrachloroethane	400	U
179601-23-1	m,p-Xylene	2700	
95-47-6	o-Xylene	820	
100-42-5	Styrene	400	U
75-25-2	Bromoform	400	U
98-82-8	Isopropylbenzene	400	U
79-34-5	1,1,2,2-Tetrachloroethane	400	U
108-86-1	Bromobenzene	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
87-61-6	1,2,3-Trichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
96-12-8	1,2-Dibromo-3-chloropropane	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 082416

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY509

Matrix: (soil/water) WATER Lab Sample ID: 1608020-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 6\J27585.D

Level: (low/med) LOW Date Received: 08/25/16

% Moisture: not dec. Date Analyzed: 08/29/16

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon-113	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	1200	
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	26	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	50	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-008ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27585.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 10.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	70	
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-86-1	Bromobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 082416
(blind dup of EW-8)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-009ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27584.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 10.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	10	U
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon-113	10	U
67-64-1	Acetone	50	U
75-15-0	Carbon disulfide	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	1200	
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	27	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	50	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 082416
(blind dup of EW-8)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water)

WATERLab Sample ID: 1608020-009ASample wt/vol: 5(g/mL) MLLab File ID: 6\J27584.D

Level: (low/med)

LOWDate Received: 08/25/16

% Moisture: not dec.

Date Analyzed: 08/29/16GC Column: Rtx-624ID: .18 (mm)Dilution Factor: 10.00

Soil Extract Volume: _____

(µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	70	
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	10	U
95-47-6	o-Xylene	10	U
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-86-1	Bromobenzene	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
87-61-6	1,2,3-Trichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water) WATER

Lab Sample ID: 1608020-001B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S8141.D

Level: (low/med) LOW

Date Received: 08/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/31/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 09/01/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	3	J
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	5	JZ
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	7	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	UZ
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-1 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-001BSample wt/vol: 1000 (g/mL) mlLab File ID: S8141.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 08/31/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/01/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(µg/L or µg/Kg) UG/L

Q

100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-002BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8242.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	43	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	45	Z
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	67	
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	4	J
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	12	
111-91-1	Bis(2-chloroethoxy)methane	10	UZ
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	11	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	11	
91-57-6	2-Methylnaphthalene	2	J
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	UZ
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-002BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8242.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	UZ
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	17	
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	UZ
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-003BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8243.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
108-95-2	Phenol	3	J
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	13	Z
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	77	
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	13	
111-91-1	Bis(2-chloroethoxy) methane	10	UZ
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	UZ
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-003BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8243.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	UZ
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	UZ
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water) WATER

Lab Sample ID: 1608020-004BRE

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S8244.D

Level: (low/med) LOW

Date Received: 08/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/06/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 09/08/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	210	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	8	J
95-48-7	2-Methylphenol	130	EZ
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	530	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	120	E
111-91-1	Bis(2-chloroethoxy)methane	10	UZ
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	UZ
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-004BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8244.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	UZ
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	UZ
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-4 082416DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-004BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S8266.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/09/16Injection Volume: 1 (µL)Dilution Factor: 10.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
108-95-2	Phenol	210	D
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	110	D
108-60-1	2,2'-oxybis(1-Chloropropane)	100	U
12-03-3	3-Methylphenol/4-Methylphenol	540	D
621-64-7	N-Nitroso-di-n-propylamine	100	U
67-72-1	Hexachloroethane	100	U
98-95-3	Nitrobenzene	100	U
78-59-1	Isophorone	100	U
88-75-5	2-Nitrophenol	100	UZ
105-67-9	2,4-Dimethylphenol	130	D
111-91-1	Bis(2-chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
91-20-3	Naphthalene	50	U
106-47-8	4-Chloroaniline	100	U
87-68-3	Hexachlorobutadiene	100	U
59-50-7	4-Chloro-3-methylphenol	100	U
91-57-6	2-Methylnaphthalene	50	U
77-47-4	Hexachlorocyclopentadiene	100	U
88-06-2	2,4,6-Trichlorophenol	100	U
95-95-4	2,4,5-Trichlorophenol	100	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	100	UZ
131-11-3	Dimethylphthalate	100	U
208-96-8	Acenaphthylene	50	U
606-20-2	2,6-Dinitrotoluene	100	U
99-09-2	3-Nitroaniline	100	U
83-32-9	Acenaphthene	50	U
51-28-5	2,4-Dinitrophenol	100	U
100-02-7	4-Nitrophenol	100	U
132-64-9	Dibenzofuran	50	U
121-14-2	2,4-Dinitrotoluene	100	U
84-66-2	Diethylphthalate	100	U
7005-72-3	4-Chlorophenyl-phenylether	100	U
86-73-7	Fluorene	50	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 082416DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water) WATER

Lab Sample ID: 1608020-004BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S8266.D

Level: (low/med) LOW

Date Received: 08/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/06/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 09/09/16

Injection Volume: 1 (µL)

Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	100	U
534-52-1	4,6-Dinitro-2-methylphenol	100	U
86-30-6	N-Nitrosodiphenylamine	100	U
101-55-3	4-Bromophenyl-phenylether	100	U
118-74-1	Hexachlorobenzene	100	U
87-86-5	Pentachlorophenol	100	U
85-01-8	Phenanthrene	50	U
120-12-7	Anthracene	50	U
86-74-8	Carbazole	50	U
84-74-2	Di-n-butyl phthalate	100	U
206-44-0	Fluoranthene	50	U
129-00-0	Pyrene	50	U
85-68-7	Butyl benzyl phthalate	100	U
91-94-1	3,3'-Dichlorobenzidine	100	U
56-55-3	Benzo(a)anthracene	50	U
218-01-9	Chrysene	50	U
117-81-7	Bis(2-ethylhexyl)phthalate	100	U
117-84-0	Di-n-octyl phthalate	100	U
205-99-2	Benzo(b)fluoranthene	50	U
207-08-9	Benzo(k)fluoranthene	50	U
50-32-8	Benzo(a)pyrene	50	U
193-39-5	Indeno(1,2,3-cd)pyrene	50	U
53-70-3	Dibenzo(a,h)anthracene	50	U
191-24-2	Benzo(g,h,i)perylene	50	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-005BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8245.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	14	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	19	Z
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	63	
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	17	
111-91-1	Bis(2-chloroethoxy)methane	10	UZ
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	UZ
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-005BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8245.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	UZ
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	UZ
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-006BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8246.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	690	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	25	
95-48-7	2-Methylphenol	530	EZ
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	1700	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	410	E
111-91-1	Bis(2-chloroethoxy)methane	10	UZ
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	UZ
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-006BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8246.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	UZ
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	UZ
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-6 082416DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-006BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S8267.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/09/16Injection Volume: 1 (µL)Dilution Factor: 40.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	710	D
111-44-4	Bis(2-chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
95-48-7	2-Methylphenol	520	D
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
12-03-3	3-Methylphenol/4-Methylphenol	1700	D
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	UZ
105-67-9	2,4-Dimethylphenol	440	D
111-91-1	Bis(2-chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
91-20-3	Naphthalene	200	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	200	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
91-58-7	2-Chloronaphthalene	200	U
88-74-4	2-Nitroaniline	400	UZ
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	200	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	400	U
83-32-9	Acenaphthene	200	U
51-28-5	2,4-Dinitrophenol	400	U
100-02-7	4-Nitrophenol	400	U
132-64-9	Dibenzofuran	200	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	200	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 082416DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water) WATER

Lab Sample ID: 1608020-006BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S8267.D

Level: (low/med) LOW

Date Received: 08/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 09/06/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 09/09/16

Injection Volume: 1 (µL)

Dilution Factor: 40.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	400	U
534-52-1	4,6-Dinitro-2-methylphenol	400	U
86-30-6	N-Nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl-phenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	400	U
85-01-8	Phenanthrene	200	U
120-12-7	Anthracene	200	U
86-74-8	Carbazole	200	U
84-74-2	Di-n-butyl phthalate	400	U
206-44-0	Fluoranthene	200	U
129-00-0	Pyrene	200	U
85-68-7	Butyl benzyl phthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U
56-55-3	Benzo(a)anthracene	200	U
218-01-9	Chrysene	200	U
117-81-7	Bis(2-ethylhexyl)phthalate	400	U
117-84-0	Di-n-octyl phthalate	400	U
205-99-2	Benzo(b)fluoranthene	200	U
207-08-9	Benzo(k)fluoranthene	200	U
50-32-8	Benzo(a)pyrene	200	U
193-39-5	Indeno(1,2,3-cd)pyrene	200	U
53-70-3	Dibenzo(a,h)anthracene	200	U
191-24-2	Benzo(g,h,i)perylene	200	U

(1) Cannot be separated from Diphenylamine

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water) WATER

Lab Sample ID: 1608020-007B

Sample wt/vol: 1000 (g/mL) ml

Lab File ID: S8147.D

Level: (low/med) LOW

Date Received: 08/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/31/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 09/01/16

Injection Volume: 1 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	93	E
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	6	J
95-48-7	2-Methylphenol	100	EZ
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	1100	E
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	370	E
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	8	
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	UZ
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 082416

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-007BSample wt/vol: 1000 (g/mL) mlLab File ID: S8147.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 08/31/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/01/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	1	J
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-7 082416DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-007BDLSample wt/vol: 1000 (g/mL) MLLab File ID: S8161.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 08/31/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/02/16Injection Volume: 1 (µL)Dilution Factor: 25.00GPC Cleanup: (Y/N) N

pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	72	DJ
111-44-4	Bis(2-chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	250	U
95-48-7	2-Methylphenol	95	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	250	U
12-03-3	3-Methylphenol/4-Methylphenol	1000	D
621-64-7	N-Nitroso-di-n-propylamine	250	U
67-72-1	Hexachloroethane	250	U
98-95-3	Nitrobenzene	63	DJ
78-59-1	Isophorone	250	U
88-75-5	2-Nitrophenol	250	U
105-67-9	2,4-Dimethylphenol	350	D
111-91-1	Bis(2-chloroethoxy)methane	250	U
120-83-2	2,4-Dichlorophenol	250	UZ
91-20-3	Naphthalene	130	U
106-47-8	4-Chloroaniline	250	U
87-68-3	Hexachlorobutadiene	250	U
59-50-7	4-Chloro-3-methylphenol	250	U
91-57-6	2-Methylnaphthalene	130	U
77-47-4	Hexachlorocyclopentadiene	250	UZ
88-06-2	2,4,6-Trichlorophenol	250	U
95-95-4	2,4,5-Trichlorophenol	250	U
91-58-7	2-Chloronaphthalene	130	U
88-74-4	2-Nitroaniline	250	U
131-11-3	Dimethylphthalate	250	U
208-96-8	Acenaphthylene	130	U
606-20-2	2,6-Dinitrotoluene	250	U
99-09-2	3-Nitroaniline	250	U
83-32-9	Acenaphthene	130	U
51-28-5	2,4-Dinitrophenol	250	U
100-02-7	4-Nitrophenol	250	UZ
132-64-9	Dibenzofuran	130	U
121-14-2	2,4-Dinitrotoluene	250	UZ
84-66-2	Diethylphthalate	250	U
7005-72-3	4-Chlorophenyl-phenylether	250	U
86-73-7	Fluorene	130	U

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7 082416DL

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509

Matrix: (soil/water) WATER

Lab Sample ID: 1608020-007BDL

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: S8161.D

Level: (low/med) LOW

Date Received: 08/25/16

% Moisture: Decanted: (Y/N) N

Date Extracted: 08/31/16

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 09/02/16

Injection Volume: 1 (µL)

Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
100-01-6	4-Nitroaniline	250	U
534-52-1	4,6-Dinitro-2-methylphenol	250	UZ
86-30-6	N-Nitrosodiphenylamine	250	U
101-55-3	4-Bromophenyl-phenylether	250	U
118-74-1	Hexachlorobenzene	250	U
87-86-5	Pentachlorophenol	250	U
85-01-8	Phenanthrene	130	U
120-12-7	Anthracene	130	U
86-74-8	Carbazole	130	U
84-74-2	Di-n-butyl phthalate	250	U
206-44-0	Fluoranthene	130	U
129-00-0	Pyrene	130	U
85-68-7	Butyl benzyl phthalate	250	U
91-94-1	3,3'-Dichlorobenzidine	250	U
56-55-3	Benzo(a)anthracene	130	U
218-01-9	Chrysene	130	U
117-81-7	Bis(2-ethylhexyl)phthalate	250	U
117-84-0	Di-n-octyl phthalate	250	U
205-99-2	Benzo(b)fluoranthene	130	U
207-08-9	Benzo(k)fluoranthene	130	U
50-32-8	Benzo(a)pyrene	130	U
193-39-5	Indeno(1,2,3-cd)pyrene	130	U
53-70-3	Dibenzo(a,h)anthracene	130	U
191-24-2	Benzo(g,h,i)perylene	130	U

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-008BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8248.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	UZ
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	3	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	2	J
111-91-1	Bis(2-chloroethoxy)methane	10	UZ
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	UZ
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-8 082416RE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-008BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8248.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
100-01-6	4-Nitroaniline	10		U
534-52-1	4,6-Dinitro-2-methylphenol	10		UZ
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U
118-74-1	Hexachlorobenzene	10		U
87-86-5	Pentachlorophenol	10		U
85-01-8	Phenanthrene	5		U
120-12-7	Anthracene	5		U
86-74-8	Carbazole	5		U
84-74-2	Di-n-butyl phthalate	10		U
206-44-0	Fluoranthene	5		U
129-00-0	Pyrene	5		U
85-68-7	Butyl benzyl phthalate	10		U
91-94-1	3,3'-Dichlorobenzidine	10		U
56-55-3	Benzo(a)anthracene	5		U
218-01-9	Chrysene	5		UZ
117-81-7	Bis(2-ethylhexyl)phthalate	10		U
117-84-0	Di-n-octyl phthalate	10		U
205-99-2	Benzo(b)fluoranthene	5		U
207-08-9	Benzo(k)fluoranthene	5		U
50-32-8	Benzo(a)pyrene	5		U
193-39-5	Indeno(1,2,3-cd)pyrene	5		U
53-70-3	Dibenzo(a,h)anthracene	5		U
191-24-2	Benzo(g,h,i)perylene	5		U

(1) Cannot be separated from Diphenylamine

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 082416RE
(blind dup of EW-8)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-009BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8250.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	10	UZ
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	20	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	UZ
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	UZ
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

1D

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1 082416RE
 (blind dup of EW-8)

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY509Matrix: (soil/water) WATERLab Sample ID: 1608020-009BRESample wt/vol: 1000 (g/mL) mlLab File ID: S8250.DLevel: (low/med) LOWDate Received: 08/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 09/06/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 09/08/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	<u>Q</u>
100-01-6	4-Nitroaniline	10	U
534-52-1	4,6-Dinitro-2-methylphenol	10	UZ
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	10	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U
56-55-3	Benzo(a)anthracene	5	U
218-01-9	Chrysene	5	UZ
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

(1) Cannot be separated from Diphenylamine



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-1 082416
Lab Sample ID: 16080519-01 (AT22412)

Collection Date: 08/24/2016 07:00
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-6	SW-846 Method 8082A	09/09/2016 11:35	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-6
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-6
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-6
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-6
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-6
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-6
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-6
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	83.8	39.3-121		GC28F-2007-6
Decachlorobiphenyl	2051-24-3	92.2	10.0-160		GC28F-2007-6
Tetrachloro-meta-xylene	877-09-8	109	39.3-121		GC28B-2004-6
Decachlorobiphenyl	2051-24-3	83.9	10.0-160		GC28B-2004-6

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-2 082416
Lab Sample ID: 16080519-02 (AT22413)

Collection Date: 08/24/2016 07:30
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-7	SW-846 Method 8082A	09/09/2016 11:49	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-7
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-7
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-7
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-7
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-7
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-7
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-7
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	81.8	39.3-121		GC28F-2007-7
Decachlorobiphenyl	2051-24-3	85.0	10.0-160		GC28F-2007-7
Tetrachloro-meta-xylene	877-09-8	88.2	39.3-121		GC28B-2004-7
Decachlorobiphenyl	2051-24-3	76.2	10.0-160		GC28B-2004-7

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-3 082416
Lab Sample ID: 16080519-03 (AT22414)

Collection Date: 08/24/2016 08:00
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-8	SW-846 Method 8082A	09/09/2016 12:03	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-8
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-8
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-8
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-8
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-8
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-8
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-8
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	88.0	39.3-121		GC28F-2007-8
Decachlorobiphenyl	2051-24-3	99.8	10.0-160		GC28F-2007-8
Tetrachloro-meta-xylene	877-09-8	102	39.3-121		GC28B-2004-8
Decachlorobiphenyl	2051-24-3	88.1	10.0-160		GC28B-2004-8

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-4 082416
Lab Sample ID: 16080519-04 (AT22415)

Collection Date: 08/24/2016 08:30
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-9	SW-846 Method 8082A	09/09/2016 12:17	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-9
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-9
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-9
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-9
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-9
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-9
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-9
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	95.6	39.3-121		GC28F-2007-9
Decachlorobiphenyl	2051-24-3	95.0	10.0-160		GC28F-2007-9
Tetrachloro-meta-xylene	877-09-8	97.6	39.3-121		GC28B-2004-9
Decachlorobiphenyl	2051-24-3	84.7	10.0-160		GC28B-2004-9

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-5 082416
Lab Sample ID: 16080519-05 (AT22416)

Collection Date: 08/24/2016 09:00
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-10	SW-846 Method 8082A	09/09/2016 12:31	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-10
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-10
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-10
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-10
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-10
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-10
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-10
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	103	39.3-121		GC28F-2007-10
Decachlorobiphenyl	2051-24-3	98.1	10.0-160		GC28F-2007-10
Tetrachloro-meta-xylene	877-09-8	77.2	39.3-121		GC28B-2004-10
Decachlorobiphenyl	2051-24-3	85.7	10.0-160		GC28B-2004-10

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-6 082416
Lab Sample ID: 16080519-06 (AT22417)

Collection Date: 08/24/2016 09:30
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-11	SW-846 Method 8082A	09/09/2016 12:45	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-11
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-11
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-11
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-11
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-11
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-11
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-11
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	58.1	39.3-121		GC28F-2007-11
Decachlorobiphenyl	2051-24-3	95.4	10.0-160		GC28F-2007-11
Tetrachloro-meta-xylene	877-09-8	91.5	39.3-121		GC28B-2004-11
Decachlorobiphenyl	2051-24-3	81.7	10.0-160		GC28B-2004-11

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-7 082416
Lab Sample ID: 16080519-07 (AT22418)

Collection Date: 08/24/2016 10:00
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-14	SW-846 Method 8082A	09/09/2016 13:27	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-14
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-14
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-14
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-14
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-14
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-14
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-14
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	62.5	39.3-121		GC28F-2007-14
Decachlorobiphenyl	2051-24-3	96.3	10.0-160		GC28F-2007-14
Tetrachloro-meta-xylene	877-09-8	117	39.3-121		GC28B-2004-14
Decachlorobiphenyl	2051-24-3	84.7	10.0-160		GC28B-2004-14

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-8 082416
Lab Sample ID: 16080519-08 (AT22419)

Collection Date: 08/24/2016 10:30
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-19	SW-846 Method 8082A	09/09/2016 14:36	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-19
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-19
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-19
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-19
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-19
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-19
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-19
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	39.7	39.3-121		GC28B-2004-19
Decachlorobiphenyl	2051-24-3	59.8	10.0-160		GC28B-2004-19
Tetrachloro-meta-xylene	877-09-8	37.5	39.3-121	*	GC28F-2007-19
Decachlorobiphenyl	2051-24-3	62.7	10.0-160		GC28F-2007-19

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.



Analytical Sample Results

Job Number: 16080519

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: DUP-1 082416 (blind dup of EW-8)
Lab Sample ID: 16080519-09 (AT22420)

Collection Date: 08/24/2016
Sample Matrix: WATER
Received Date: 08/24/2016 14:20
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2007-18	SW-846 Method 8082A	09/09/2016 14:22	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	34592	EPA 3535A	09/07/2016 09:57	LMB	1000 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2007-18
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2007-18
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2007-18
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2007-18
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2007-18
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2007-18
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2007-18
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2007-18

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	89.9	39.3-121		GC28F-2007-18
Decachlorobiphenyl	2051-24-3	92.6	10.0-160		GC28F-2007-18
Tetrachloro-meta-xylene	877-09-8	87.9	39.3-121		GC28B-2004-18
Decachlorobiphenyl	2051-24-3	88.4	10.0-160		GC28B-2004-18

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-1 082416

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-001Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	26.8	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	7.5	J		P
7440-39-3	Barium	73.0	J		P
7440-41-7	Beryllium	0.30	J		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	26700			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	2.1	J	E	P
7439-89-6	Iron	63.3	J	N*	P
7439-92-1	Lead	11.3			P
7439-95-4	Magnesium	5610			P
7439-96-5	Manganese	288			P
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1480	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	57000		E	P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	61.8			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-2 082416

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-002Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	5.7	J		P
7440-39-3	Barium	170	J		P
7440-41-7	Beryllium	0.20	J		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	21000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	3.5	J	E	P
7439-89-6	Iron	79.8	J	N*	P
7439-92-1	Lead	2.7	J		P
7439-95-4	Magnesium	4870			P
7439-96-5	Manganese	450			P
7440-02-0	Nickel	3.5	J		P
7440-09-7	Potassium	722	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	49400		E	P
7440-28-0	Thallium	2.3	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	320			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-3 082416

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-003Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	238			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	12600			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	0.40	J	E	P
7439-89-6	Iron	281		N*	P
7439-92-1	Lead	2.9	J		P
7439-95-4	Magnesium	639	J		P
7439-96-5	Manganese	111			P
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1020	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	167000		E	P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	41.0			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-4 082416

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-004Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	2550			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	47900			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	0.60	J	E	P
7439-89-6	Iron	131		N*	P
7439-92-1	Lead	4.8	J		P
7439-95-4	Magnesium	3080			P
7439-96-5	Manganese	1090			P
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1540	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	177000		E	P
7440-28-0	Thallium	3.3	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	20	U		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-5 082416

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-005Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	7.7	J		P
7440-39-3	Barium	581			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	62900			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	0.60	J	E	P
7439-89-6	Iron	60.0	J	N*	P
7439-92-1	Lead	4.1	J		P
7439-95-4	Magnesium	7240			P
7439-96-5	Manganese	600			P
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1320	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	143000		E	P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	21.5			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-6 082416

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-006Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	11.6			P
7440-39-3	Barium	5930			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	219000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U	E	P
7439-89-6	Iron	586		N*	P
7439-92-1	Lead	12.8			P
7439-95-4	Magnesium	37100			P
7439-96-5	Manganese	2190			P
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	3080	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	41100		E	P
7440-28-0	Thallium	5.2	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	699			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-7 082416

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-007Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	4.2	J		P
7440-39-3	Barium	4640			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	215000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	0.50	J	E	P
7439-89-6	Iron	783		N*	P
7439-92-1	Lead	12.1			P
7439-95-4	Magnesium	58400			P
7439-96-5	Manganese	1120			P
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	3150	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	24800		E	P
7440-28-0	Thallium	2.2	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	20	U		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

EW-8 082416

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-008Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	5.7	J		P
7440-39-3	Barium	197	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	13400			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	0.50	J		P
7440-50-8	Copper	25.6		E	P
7439-89-6	Iron	2060		N*	P
7439-92-1	Lead	5.6			P
7439-95-4	Magnesium	1130			P
7439-96-5	Manganese	207			P
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	866	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	158000		E	P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	630			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

DUP-1 082416

(blind dup of EW-8)

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY509Matrix (soil/water): WATERLab Sample ID: 1608020-009Level (low/med): LOWDate Received: 08/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	197	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	13500			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	0.80	J	E	P
7439-89-6	Iron	100	U	N*	P
7439-92-1	Lead	3.7	J		P
7439-95-4	Magnesium	1180			P
7439-96-5	Manganese	176			P
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	5000	U		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	159000		E	P
7440-28-0	Thallium	1.9	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	20	U		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 10/28/16

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16 07:00
Date Received: 08/25/16 16:12

Sample Name: EW-1 082416
Lab Code: R1609043-001

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	6.2	0.040	0.020	1	08/29/16 15:51	8/29/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	104	64 - 124	08/29/16 15:51	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16 07:30
Date Received: 08/25/16 16:12

Sample Name: EW-2 082416
Lab Code: R1609043-002

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	56	0.040	0.020	1	08/29/16 16:09	8/29/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	102	64 - 124	08/29/16 16:09	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16 08:00
Date Received: 08/25/16 16:12

Sample Name: EW-3 082416
Lab Code: R1609043-003

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	82	0.040	0.020	1	08/29/16 16:27	8/29/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	107	64 - 124	08/29/16 16:27	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16 08:30
Date Received: 08/25/16 16:12

Sample Name: EW-4 082416
Lab Code: R1609043-004

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	260	0.40	0.20	1	08/30/16 14:08	8/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	93	64 - 124	08/30/16 14:08	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16 09:00
Date Received: 08/25/16 16:12

Sample Name: EW-5 082416
Lab Code: R1609043-005

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	140	0.40	0.20	1	08/30/16 14:26	8/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	91	64 - 124	08/30/16 14:26	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16 09:30
Date Received: 08/25/16 16:12

Sample Name: EW-6 082416
Lab Code: R1609043-006

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	700	0.40	0.20	1	08/30/16 14:44	8/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	96	64 - 124	08/30/16 14:44	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16 10:00
Date Received: 08/25/16 16:12

Sample Name: EW-7 082416
Lab Code: R1609043-007

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	760	0.40	0.20	1	08/30/16 15:02	8/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	92	64 - 124	08/30/16 15:02	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16 10:30
Date Received: 08/25/16 16:12

Sample Name: EW-8 082416
Lab Code: R1609043-008

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	60	0.040	0.020	1	08/29/16 17:56	8/29/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	99	64 - 124	08/29/16 17:56	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16080520/Dewey Loeffel
Sample Matrix: Water

Service Request: R1609043
Date Collected: 08/24/16
Date Received: 08/25/16 16:12

Sample Name: DUP-2 082416 (blind dup of EW-8)
Lab Code: R1609043-009

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	60	0.040	0.020	1	08/29/16 18:50	8/29/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	98	64 - 124	08/29/16 18:50	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-1 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 17:53
Date Analyzed: 11/23/2016 17:53
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 50

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189001
Lab File ID: 112316.B\J30262.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	61.8	J
71-43-2	Benzene	649	
108-86-1	Bromobenzene	<50.0	U
74-97-5	Bromochloromethane	<50.0	U
75-27-4	Bromodichloromethane	<50.0	U
75-25-2	Bromoform	<50.0	U
74-83-9	Bromomethane	<50.0	U
78-93-3	2-Butanone (MEK)	<50.0	U
75-15-0	Carbon disulfide	<50.0	U
56-23-5	Carbon tetrachloride	<50.0	U
108-90-7	Chlorobenzene	125	
75-00-3	Chloroethane	<50.0	U
67-66-3	Chloroform	<50.0	U
74-87-3	Chloromethane	<50.0	U
110-82-7	Cyclohexane	<50.0	U
96-12-8	1,2-Dibromo-3-chloropropane	<50.0	U
124-48-1	Dibromochloromethane	<50.0	U
106-93-4	1,2-Dibromoethane (EDB)	<50.0	U
95-50-1	1,2-Dichlorobenzene	<50.0	U
541-73-1	1,3-Dichlorobenzene	<50.0	U
106-46-7	1,4-Dichlorobenzene	<50.0	U
75-71-8	Dichlorodifluoromethane	<50.0	U
75-34-3	1,1-Dichloroethane	<50.0	U
107-06-2	1,2-Dichloroethane	134	
75-35-4	1,1-Dichloroethene	<50.0	U
156-59-2	cis-1,2-Dichloroethene	646	
156-60-5	trans-1,2-Dichloroethene	<50.0	U
78-87-5	1,2-Dichloropropane	<50.0	U
10061-01-5	cis-1,3-Dichloropropene	<50.0	U
10061-02-6	trans-1,3-Dichloropropene	<50.0	U
100-41-4	Ethylbenzene	<50.0	U
591-78-6	2-Hexanone	<50.0	U
98-82-8	Isopropylbenzene (Cumene)	<50.0	U
79-20-9	Methyl acetate	<50.0	U
108-87-2	Methylcyclohexane	<50.0	U
75-09-2	Methylene Chloride	<50.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<50.0	U

12/23/2016 2:18

MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-1 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 17:53
Date Analyzed: 11/23/2016 17:53
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 50

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189001
Lab File ID: 112316.B\J30262.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
1634-04-4	Methyl-tert-butyl ether	<50.0	U
100-42-5	Styrene	<50.0	U
630-20-6	1,1,1,2-Tetrachloroethane	<50.0	U
79-34-5	1,1,2,2-Tetrachloroethane	<50.0	U
127-18-4	Tetrachloroethene	<50.0	U
108-88-3	Toluene	253	
87-61-6	1,2,3-Trichlorobenzene	<50.0	U
120-82-1	1,2,4-Trichlorobenzene	62.3	
71-55-6	1,1,1-Trichloroethane	<50.0	U
79-00-5	1,1,2-Trichloroethane	<50.0	U
79-01-6	Trichloroethene	7740	
75-69-4	Trichlorofluoromethane	<50.0	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<50.0	U
75-01-4	Vinyl chloride	<50.0	U
179601-23-1	m&p-Xylene	<100	U
95-47-6	o-Xylene	<50.0	U

12/23/2016 2:18

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-2 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 18:29
Date Analyzed: 11/23/2016 18:29
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 200

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189002
Lab File ID: 112316.B\J30264.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	642	J
71-43-2	Benzene	4890	
108-86-1	Bromobenzene	<200	U
74-97-5	Bromochloromethane	<200	U
75-27-4	Bromodichloromethane	<200	U
75-25-2	Bromoform	<200	U
74-83-9	Bromomethane	<200	U
78-93-3	2-Butanone (MEK)	<200	U
75-15-0	Carbon disulfide	<200	U
56-23-5	Carbon tetrachloride	<200	U
108-90-7	Chlorobenzene	1310	
75-00-3	Chloroethane	<200	U
67-66-3	Chloroform	1020	
74-87-3	Chloromethane	<200	U
110-82-7	Cyclohexane	<200	U
96-12-8	1,2-Dibromo-3-chloropropane	<200	U
124-48-1	Dibromochloromethane	<200	U
106-93-4	1,2-Dibromoethane (EDB)	<200	U
95-50-1	1,2-Dichlorobenzene	<200	U
541-73-1	1,3-Dichlorobenzene	<200	U
106-46-7	1,4-Dichlorobenzene	<200	U
75-71-8	Dichlorodifluoromethane	<200	U
75-34-3	1,1-Dichloroethane	<200	U
107-06-2	1,2-Dichloroethane	925	
75-35-4	1,1-Dichloroethene	<200	U
156-59-2	cis-1,2-Dichloroethene	6860	
156-60-5	trans-1,2-Dichloroethene	<200	U
78-87-5	1,2-Dichloropropane	<200	U
10061-01-5	cis-1,3-Dichloropropene	<200	U
10061-02-6	trans-1,3-Dichloropropene	<200	U
100-41-4	Ethylbenzene	318	
591-78-6	2-Hexanone	<200	U
98-82-8	Isopropylbenzene (Cumene)	<200	U
79-20-9	Methyl acetate	<200	U
108-87-2	Methylcyclohexane	<200	U
75-09-2	Methylene Chloride	2140	
108-10-1	4-Methyl-2-pentanone (MIBK)	<200	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-2 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 18:29
Date Analyzed: 11/23/2016 18:29
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 200

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189002
Lab File ID: 112316.B\J30264.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
1634-04-4	Methyl-tert-butyl ether	<200	U
100-42-5	Styrene	<200	U
630-20-6	1,1,1,2-Tetrachloroethane	<200	U
79-34-5	1,1,2,2-Tetrachloroethane	<200	U
127-18-4	Tetrachloroethene	301	
108-88-3	Toluene	8160	
87-61-6	1,2,3-Trichlorobenzene	<200	U
120-82-1	1,2,4-Trichlorobenzene	809	
71-55-6	1,1,1-Trichloroethane	205	
79-00-5	1,1,2-Trichloroethane	<200	U
79-01-6	Trichloroethene	37600	
75-69-4	Trichlorofluoromethane	<200	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<200	U
75-01-4	Vinyl chloride	423	
179601-23-1	m&p-Xylene	663	
95-47-6	o-Xylene	376	

12/23/2016 2:18

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-3 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 17:17
Date Analyzed: 11/23/2016 17:17
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 20

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189003
Lab File ID: 112316.B\J30260.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	73.3	J
71-43-2	Benzene	3020	
108-86-1	Bromobenzene	<20.0	U
74-97-5	Bromochloromethane	<20.0	U
75-27-4	Bromodichloromethane	<20.0	U
75-25-2	Bromoform	<20.0	U
74-83-9	Bromomethane	<20.0	U
78-93-3	2-Butanone (MEK)	<20.0	U
75-15-0	Carbon disulfide	<20.0	U
56-23-5	Carbon tetrachloride	<20.0	U
108-90-7	Chlorobenzene	471	
75-00-3	Chloroethane	<20.0	U
67-66-3	Chloroform	<20.0	U
74-87-3	Chloromethane	<20.0	U
110-82-7	Cyclohexane	<20.0	U
96-12-8	1,2-Dibromo-3-chloropropane	<20.0	U
124-48-1	Dibromochloromethane	<20.0	U
106-93-4	1,2-Dibromoethane (EDB)	<20.0	U
95-50-1	1,2-Dichlorobenzene	<20.0	U
541-73-1	1,3-Dichlorobenzene	<20.0	U
106-46-7	1,4-Dichlorobenzene	<20.0	U
75-71-8	Dichlorodifluoromethane	<20.0	U
75-34-3	1,1-Dichloroethane	24.8	
107-06-2	1,2-Dichloroethane	34.5	
75-35-4	1,1-Dichloroethene	<20.0	U
156-59-2	cis-1,2-Dichloroethene	158	
156-60-5	trans-1,2-Dichloroethene	<20.0	U
78-87-5	1,2-Dichloropropane	<20.0	U
10061-01-5	cis-1,3-Dichloropropene	<20.0	U
10061-02-6	trans-1,3-Dichloropropene	<20.0	U
100-41-4	Ethylbenzene	43.7	
591-78-6	2-Hexanone	<20.0	U
98-82-8	Isopropylbenzene (Cumene)	<20.0	U
79-20-9	Methyl acetate	<20.0	U
108-87-2	Methylcyclohexane	<20.0	U
75-09-2	Methylene Chloride	<20.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	88.8	

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-3 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 17:17
Date Analyzed: 11/23/2016 17:17
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 20

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189003
Lab File ID: 112316.B\J30260.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
1634-04-4	Methyl-tert-butyl ether	<20.0	U
100-42-5	Styrene	<20.0	U
630-20-6	1,1,1,2-Tetrachloroethane	<20.0	U
79-34-5	1,1,2,2-Tetrachloroethane	<20.0	U
127-18-4	Tetrachloroethene	<20.0	U
108-88-3	Toluene	3600	
87-61-6	1,2,3-Trichlorobenzene	<20.0	U
120-82-1	1,2,4-Trichlorobenzene	<20.0	U
71-55-6	1,1,1-Trichloroethane	<20.0	U
79-00-5	1,1,2-Trichloroethane	<20.0	U
79-01-6	Trichloroethene	110	
75-69-4	Trichlorofluoromethane	<20.0	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<20.0	U
75-01-4	Vinyl chloride	63.9	
179601-23-1	m&p-Xylene	159	
95-47-6	o-Xylene	50.2	

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MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 111616
(blind dup of EW-3)

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 17:35
Date Analyzed: 11/23/2016 17:35
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189009
Lab File ID: 112316.B\J30261.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	71.0	
108-86-1	Bromobenzene	<10.0	U
74-97-5	Bromochloromethane	<10.0	U
75-27-4	Bromodichloromethane	<10.0	U
75-25-2	Bromoform	<10.0	U
74-83-9	Bromomethane	<10.0	U
78-93-3	2-Butanone (MEK)	<10.0	U
75-15-0	Carbon disulfide	<10.0	U
56-23-5	Carbon tetrachloride	<10.0	U
108-90-7	Chlorobenzene	454	
75-00-3	Chloroethane	<10.0	U
67-66-3	Chloroform	<10.0	U
74-87-3	Chloromethane	<10.0	U
110-82-7	Cyclohexane	<10.0	U
96-12-8	1,2-Dibromo-3-chloropropane	<10.0	U
124-48-1	Dibromochloromethane	<10.0	U
106-93-4	1,2-Dibromoethane (EDB)	<10.0	U
95-50-1	1,2-Dichlorobenzene	<10.0	U
541-73-1	1,3-Dichlorobenzene	<10.0	U
106-46-7	1,4-Dichlorobenzene	<10.0	U
75-71-8	Dichlorodifluoromethane	<10.0	U
75-34-3	1,1-Dichloroethane	24.6	
107-06-2	1,2-Dichloroethane	34.0	
75-35-4	1,1-Dichloroethene	<10.0	U
156-59-2	cis-1,2-Dichloroethene	156	
156-60-5	trans-1,2-Dichloroethene	<10.0	U
78-87-5	1,2-Dichloropropane	<10.0	U
10061-01-5	cis-1,3-Dichloropropene	<10.0	U
10061-02-6	trans-1,3-Dichloropropene	<10.0	U
100-41-4	Ethylbenzene	42.8	
591-78-6	2-Hexanone	<10.0	U
98-82-8	Isopropylbenzene (Cumene)	<10.0	U
79-20-9	Methyl acetate	<10.0	U
108-87-2	Methylcyclohexane	<10.0	U
75-09-2	Methylene Chloride	<10.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	48.1	
1634-04-4	Methyl-tert-butyl ether	<10.0	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 111616
(blind dup of EW-3)

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 17:35
Date Analyzed: 11/23/2016 17:35
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189009
Lab File ID: 112316.B\J30261.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
100-42-5	Styrene	<10.0	U
630-20-6	1,1,1,2-Tetrachloroethane	<10.0	U
79-34-5	1,1,2,2-Tetrachloroethane	<10.0	U
127-18-4	Tetrachloroethene	<10.0	U
87-61-6	1,2,3-Trichlorobenzene	<10.0	U
120-82-1	1,2,4-Trichlorobenzene	<10.0	U
71-55-6	1,1,1-Trichloroethane	<10.0	U
79-00-5	1,1,2-Trichloroethane	<10.0	U
79-01-6	Trichloroethene	109	
75-69-4	Trichlorofluoromethane	<10.0	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<10.0	U
75-01-4	Vinyl chloride	62.6	
179601-23-1	m&p-Xylene	153	
95-47-6	o-Xylene	49.9	

MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 111616
(blind dup of EW-3)

Lab Name: Pace Analytical - New York Contract: 16110283-DEWEY LOEFFEL
Date Received: 11/19/2016 10:40 Matrix: Water SDG No.: 705189
Date Extracted: 11/23/2016 19:23 Lab Sample ID: 705189009
Date Analyzed: 11/23/2016 19:23 Lab File ID: 112316.B\J30267.D
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 40 Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
71-43-2	Benzene	2900	
108-88-3	Toluene	3520	

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MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-4 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 18:47
Date Analyzed: 11/23/2016 18:47
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 200

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189004
Lab File ID: 112316.B\J30265.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	2180	
71-43-2	Benzene	20200	
108-86-1	Bromobenzene	<200	U
74-97-5	Bromochloromethane	<200	U
75-27-4	Bromodichloromethane	<200	U
75-25-2	Bromoform	<200	U
74-83-9	Bromomethane	<200	U
78-93-3	2-Butanone (MEK)	236	
75-15-0	Carbon disulfide	<200	U
56-23-5	Carbon tetrachloride	<200	U
108-90-7	Chlorobenzene	4500	
75-00-3	Chloroethane	<200	U
67-66-3	Chloroform	308	
74-87-3	Chloromethane	<200	U
110-82-7	Cyclohexane	<200	U
96-12-8	1,2-Dibromo-3-chloropropane	<200	U
124-48-1	Dibromochloromethane	<200	U
106-93-4	1,2-Dibromoethane (EDB)	<200	U
95-50-1	1,2-Dichlorobenzene	<200	U
541-73-1	1,3-Dichlorobenzene	<200	U
106-46-7	1,4-Dichlorobenzene	<200	U
75-71-8	Dichlorodifluoromethane	<200	U
75-34-3	1,1-Dichloroethane	282	
107-06-2	1,2-Dichloroethane	735	
75-35-4	1,1-Dichloroethene	<200	U
156-59-2	cis-1,2-Dichloroethene	6180	
156-60-5	trans-1,2-Dichloroethene	<200	U
78-87-5	1,2-Dichloropropane	<200	U
10061-01-5	cis-1,3-Dichloropropene	<200	U
10061-02-6	trans-1,3-Dichloropropene	<200	U
100-41-4	Ethylbenzene	424	
591-78-6	2-Hexanone	<200	U
98-82-8	Isopropylbenzene (Cumene)	<200	U
79-20-9	Methyl acetate	<200	U
108-87-2	Methylcyclohexane	<200	U
75-09-2	Methylene Chloride	558	
108-10-1	4-Methyl-2-pentanone (MIBK)	967	

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-4 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 18:47
Date Analyzed: 11/23/2016 18:47
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 200

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189004
Lab File ID: 112316.B\J30265.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
1634-04-4	Methyl-tert-butyl ether	<200	U
100-42-5	Styrene	<200	U
630-20-6	1,1,1,2-Tetrachloroethane	<200	U
79-34-5	1,1,2,2-Tetrachloroethane	<200	U
127-18-4	Tetrachloroethene	<200	U
108-88-3	Toluene	26900	
87-61-6	1,2,3-Trichlorobenzene	<200	U
120-82-1	1,2,4-Trichlorobenzene	<200	U
71-55-6	1,1,1-Trichloroethane	384	
79-00-5	1,1,2-Trichloroethane	<200	U
79-01-6	Trichloroethene	1300	
75-69-4	Trichlorofluoromethane	<200	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<200	U
75-01-4	Vinyl chloride	919	
179601-23-1	m&p-Xylene	1650	
95-47-6	o-Xylene	490	

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MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-5 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 19:05
Date Analyzed: 11/23/2016 19:05
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 50

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189005
Lab File ID: 112316.B\J30266.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	263	
71-43-2	Benzene	7570	
108-86-1	Bromobenzene	<50.0	U
74-97-5	Bromochloromethane	<50.0	U
75-27-4	Bromodichloromethane	<50.0	U
75-25-2	Bromoform	<50.0	U
74-83-9	Bromomethane	<50.0	U
78-93-3	2-Butanone (MEK)	<50.0	U
75-15-0	Carbon disulfide	<50.0	U
56-23-5	Carbon tetrachloride	<50.0	U
108-90-7	Chlorobenzene	1270	
75-00-3	Chloroethane	<50.0	U
67-66-3	Chloroform	110	
74-87-3	Chloromethane	<50.0	U
110-82-7	Cyclohexane	<50.0	U
96-12-8	1,2-Dibromo-3-chloropropane	<50.0	U
124-48-1	Dibromochloromethane	<50.0	U
106-93-4	1,2-Dibromoethane (EDB)	<50.0	U
95-50-1	1,2-Dichlorobenzene	<50.0	U
541-73-1	1,3-Dichlorobenzene	<50.0	U
106-46-7	1,4-Dichlorobenzene	<50.0	U
75-71-8	Dichlorodifluoromethane	<50.0	U
75-34-3	1,1-Dichloroethane	74.2	
107-06-2	1,2-Dichloroethane	191	
75-35-4	1,1-Dichloroethene	<50.0	U
156-59-2	cis-1,2-Dichloroethene	1290	
156-60-5	trans-1,2-Dichloroethene	<50.0	U
78-87-5	1,2-Dichloropropane	<50.0	U
10061-01-5	cis-1,3-Dichloropropene	<50.0	U
10061-02-6	trans-1,3-Dichloropropene	<50.0	U
100-41-4	Ethylbenzene	70.4	
591-78-6	2-Hexanone	<50.0	U
98-82-8	Isopropylbenzene (Cumene)	<50.0	U
79-20-9	Methyl acetate	<50.0	U
108-87-2	Methylcyclohexane	<50.0	U
75-09-2	Methylene Chloride	70.4	
108-10-1	4-Methyl-2-pentanone (MIBK)	222	

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-5 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 19:05
Date Analyzed: 11/23/2016 19:05
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 50

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189005
Lab File ID: 112316.B\J30266.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
1634-04-4	Methyl-tert-butyl ether	<50.0	U
100-42-5	Styrene	<50.0	U
630-20-6	1,1,1,2-Tetrachloroethane	<50.0	U
79-34-5	1,1,2,2-Tetrachloroethane	<50.0	U
127-18-4	Tetrachloroethene	<50.0	U
108-88-3	Toluene	4320	
87-61-6	1,2,3-Trichlorobenzene	<50.0	U
120-82-1	1,2,4-Trichlorobenzene	<50.0	U
71-55-6	1,1,1-Trichloroethane	106	
79-00-5	1,1,2-Trichloroethane	<50.0	U
79-01-6	Trichloroethene	178	
75-69-4	Trichlorofluoromethane	<50.0	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<50.0	U
75-01-4	Vinyl chloride	233	
179601-23-1	m&p-Xylene	237	
95-47-6	o-Xylene	79.7	

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MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-6 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 19:41
Date Analyzed: 11/23/2016 19:41
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 500

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189006
Lab File ID: 112316.B\J30268.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	5330	
71-43-2	Benzene	51000	
108-86-1	Bromobenzene	<500	U
74-97-5	Bromochloromethane	<500	U
75-27-4	Bromodichloromethane	<500	U
75-25-2	Bromoform	<500	U
74-83-9	Bromomethane	<500	U
78-93-3	2-Butanone (MEK)	<500	U
75-15-0	Carbon disulfide	<500	U
56-23-5	Carbon tetrachloride	<500	U
108-90-7	Chlorobenzene	13000	
75-00-3	Chloroethane	<500	U
67-66-3	Chloroform	877	
74-87-3	Chloromethane	<500	U
110-82-7	Cyclohexane	<500	U
96-12-8	1,2-Dibromo-3-chloropropane	<500	U
124-48-1	Dibromochloromethane	<500	U
106-93-4	1,2-Dibromoethane (EDB)	<500	U
95-50-1	1,2-Dichlorobenzene	<500	U
541-73-1	1,3-Dichlorobenzene	<500	U
106-46-7	1,4-Dichlorobenzene	<500	U
75-71-8	Dichlorodifluoromethane	<500	U
75-34-3	1,1-Dichloroethane	777	
107-06-2	1,2-Dichloroethane	1970	
75-35-4	1,1-Dichloroethene	<500	U
156-59-2	cis-1,2-Dichloroethene	22400	
156-60-5	trans-1,2-Dichloroethene	<500	U
78-87-5	1,2-Dichloropropane	<500	U
10061-01-5	cis-1,3-Dichloropropene	<500	U
10061-02-6	trans-1,3-Dichloropropene	<500	U
100-41-4	Ethylbenzene	1060	
591-78-6	2-Hexanone	<500	U
98-82-8	Isopropylbenzene (Cumene)	<500	U
79-20-9	Methyl acetate	<500	U
108-87-2	Methylcyclohexane	<500	U
75-09-2	Methylene Chloride	2510	
108-10-1	4-Methyl-2-pentanone (MIBK)	2480	

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-6 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 19:41
Date Analyzed: 11/23/2016 19:41
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 500

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189006
Lab File ID: 112316.B\J30268.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
1634-04-4	Methyl-tert-butyl ether	<500	U
100-42-5	Styrene	<500	U
630-20-6	1,1,1,2-Tetrachloroethane	<500	U
79-34-5	1,1,2,2-Tetrachloroethane	<500	U
127-18-4	Tetrachloroethene	<500	U
108-88-3	Toluene	68800	
87-61-6	1,2,3-Trichlorobenzene	<500	U
120-82-1	1,2,4-Trichlorobenzene	<500	U
71-55-6	1,1,1-Trichloroethane	1390	
79-00-5	1,1,2-Trichloroethane	<500	U
79-01-6	Trichloroethene	763	
75-69-4	Trichlorofluoromethane	<500	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<500	U
75-01-4	Vinyl chloride	4120	
179601-23-1	m&p-Xylene	4270	
95-47-6	o-Xylene	1270	

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MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-7 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 19:58
Date Analyzed: 11/23/2016 19:58
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 400

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189007
Lab File ID: 112316.B\J30269.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	1080	J
71-43-2	Benzene	30600	
108-86-1	Bromobenzene	<400	U
74-97-5	Bromochloromethane	<400	U
75-27-4	Bromodichloromethane	<400	U
75-25-2	Bromoform	<400	U
74-83-9	Bromomethane	<400	U
78-93-3	2-Butanone (MEK)	<400	U
75-15-0	Carbon disulfide	<400	U
56-23-5	Carbon tetrachloride	<400	U
108-90-7	Chlorobenzene	8640	
75-00-3	Chloroethane	<400	U
67-66-3	Chloroform	<400	U
74-87-3	Chloromethane	<400	U
110-82-7	Cyclohexane	<400	U
96-12-8	1,2-Dibromo-3-chloropropane	<400	U
124-48-1	Dibromochloromethane	<400	U
106-93-4	1,2-Dibromoethane (EDB)	<400	U
95-50-1	1,2-Dichlorobenzene	<400	U
541-73-1	1,3-Dichlorobenzene	<400	U
106-46-7	1,4-Dichlorobenzene	<400	U
75-71-8	Dichlorodifluoromethane	<400	U
75-34-3	1,1-Dichloroethane	<400	U
107-06-2	1,2-Dichloroethane	<400	U
75-35-4	1,1-Dichloroethene	<400	U
156-59-2	cis-1,2-Dichloroethene	9990	
156-60-5	trans-1,2-Dichloroethene	<400	U
78-87-5	1,2-Dichloropropane	<400	U
10061-01-5	cis-1,3-Dichloropropene	<400	U
10061-02-6	trans-1,3-Dichloropropene	<400	U
100-41-4	Ethylbenzene	816	
591-78-6	2-Hexanone	<400	U
98-82-8	Isopropylbenzene (Cumene)	<400	U
79-20-9	Methyl acetate	<400	U
108-87-2	Methylcyclohexane	<400	U
75-09-2	Methylene Chloride	<400	U
108-10-1	4-Methyl-2-pentanone (MIBK)	1770	

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-7 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 19:58
Date Analyzed: 11/23/2016 19:58
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 400

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189007
Lab File ID: 112316.B\J30269.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
1634-04-4	Methyl-tert-butyl ether	<400	U
100-42-5	Styrene	<400	U
630-20-6	1,1,1,2-Tetrachloroethane	<400	U
79-34-5	1,1,2,2-Tetrachloroethane	<400	U
127-18-4	Tetrachloroethene	<400	U
108-88-3	Toluene	54200	
87-61-6	1,2,3-Trichlorobenzene	<400	U
120-82-1	1,2,4-Trichlorobenzene	<400	U
71-55-6	1,1,1-Trichloroethane	<400	U
79-00-5	1,1,2-Trichloroethane	<400	U
79-01-6	Trichloroethene	<400	U
75-69-4	Trichlorofluoromethane	<400	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<400	U
75-01-4	Vinyl chloride	3840	
179601-23-1	m&p-Xylene	3170	
95-47-6	o-Xylene	897	

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MSV - FORM I VOA-1
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-8 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 20:16
Date Analyzed: 11/23/2016 20:16
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189008
Lab File ID: 112316.B\J30270.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-64-1	Acetone	14.0	J
71-43-2	Benzene	1230	
108-86-1	Bromobenzene	<10.0	U
74-97-5	Bromochloromethane	<10.0	U
75-27-4	Bromodichloromethane	<10.0	U
75-25-2	Bromoform	<10.0	U
74-83-9	Bromomethane	<10.0	U
78-93-3	2-Butanone (MEK)	<10.0	U
75-15-0	Carbon disulfide	<10.0	U
56-23-5	Carbon tetrachloride	<10.0	U
108-90-7	Chlorobenzene	71.5	
75-00-3	Chloroethane	<10.0	U
67-66-3	Chloroform	<10.0	U
74-87-3	Chloromethane	<10.0	U
110-82-7	Cyclohexane	<10.0	U
96-12-8	1,2-Dibromo-3-chloropropane	<10.0	U
124-48-1	Dibromochloromethane	<10.0	U
106-93-4	1,2-Dibromoethane (EDB)	<10.0	U
95-50-1	1,2-Dichlorobenzene	<10.0	U
541-73-1	1,3-Dichlorobenzene	<10.0	U
106-46-7	1,4-Dichlorobenzene	<10.0	U
75-71-8	Dichlorodifluoromethane	<10.0	U
75-34-3	1,1-Dichloroethane	<10.0	U
107-06-2	1,2-Dichloroethane	<10.0	U
75-35-4	1,1-Dichloroethene	<10.0	U
156-59-2	cis-1,2-Dichloroethene	<10.0	U
156-60-5	trans-1,2-Dichloroethene	<10.0	U
78-87-5	1,2-Dichloropropane	<10.0	U
10061-01-5	cis-1,3-Dichloropropene	<10.0	U
10061-02-6	trans-1,3-Dichloropropene	<10.0	U
100-41-4	Ethylbenzene	<10.0	U
591-78-6	2-Hexanone	<10.0	U
98-82-8	Isopropylbenzene (Cumene)	<10.0	U
79-20-9	Methyl acetate	<10.0	U
108-87-2	Methylcyclohexane	<10.0	U
75-09-2	Methylene Chloride	<10.0	U
108-10-1	4-Methyl-2-pentanone (MIBK)	<10.0	U

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MSV - FORM I VOA-2
VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-8 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 20:16
Date Analyzed: 11/23/2016 20:16
Initial wt/vol: 5 mL Final wt/vol: 5 mL Dilution: 10

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189008
Lab File ID: 112316.B\J30270.D
Instrument: 70MSV6 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
1634-04-4	Methyl-tert-butyl ether	<10.0	U
100-42-5	Styrene	<10.0	U
630-20-6	1,1,1,2-Tetrachloroethane	<10.0	U
79-34-5	1,1,2,2-Tetrachloroethane	<10.0	U
127-18-4	Tetrachloroethene	<10.0	U
108-88-3	Toluene	31.4	
87-61-6	1,2,3-Trichlorobenzene	<10.0	U
120-82-1	1,2,4-Trichlorobenzene	<10.0	U
71-55-6	1,1,1-Trichloroethane	<10.0	U
79-00-5	1,1,2-Trichloroethane	<10.0	U
79-01-6	Trichloroethene	<10.0	U
75-69-4	Trichlorofluoromethane	<10.0	U
76-13-1	1,1,2-Trichlorotrifluoroethane	<10.0	U
75-01-4	Vinyl chloride	<10.0	U
179601-23-1	m&p-Xylene	<20.0	U
95-47-6	o-Xylene	<10.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-1 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 03:01
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189001
Lab File ID: 8270-112916.BIR36869.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	<5.0	U
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	<5.0	U
84-66-2	Diethylphthalate	<5.0	U
105-67-9	2,4-Dimethylphenol	<5.0	U
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-1 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 03:01
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189001
Lab File ID: 8270-112916.B\IR36869.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
77-47-4	Hexachlorocyclopentadiene	<5.0	U
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	<5.0	U
91-57-6	2-Methylnaphthalene	<5.0	U
95-48-7	2-Methylphenol(o-Cresol)	5.0	
	3&4-Methylphenol(m&p Cresol)	6.2	
91-20-3	Naphthalene	<5.0	U
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	<10.0	U
85-01-8	Phenanthrene	<5.0	U
108-95-2	Phenol	2.9	J
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-2 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 03:26
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189002
Lab File ID: 8270-112916.BIR36870.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	<5.0	U
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	<5.0	U
84-66-2	Diethylphthalate	<5.0	U
105-67-9	2,4-Dimethylphenol	21.3	
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-2 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 03:26
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189002
Lab File ID: 8270-112916.BIR36870.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
77-47-4	Hexachlorocyclopentadiene	<5.0	U
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	6.0	
91-57-6	2-Methylnaphthalene	2.0	J
95-48-7	2-Methylphenol(o-Cresol)	76.4	
91-20-3	Naphthalene	12.5	
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	16.5	
85-01-8	Phenanthrene	<5.0	U
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-2 111616

Lab Name: Pace Analytical - New York

Contract: 16110283-DEWEY LOEFFEL

Date Received: 11/19/2016 10:40

Matrix: Water SDG No.: 705189

Date Extracted: 11/23/2016 12:00

Lab Sample ID: 705189002

Date Analyzed: 12/01/2016 15:12

Lab File ID: 8270-120116.B\IR36938.D

Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 4

Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
	3&4-Methylphenol(m&p Cresol)	174	
108-95-2	Phenol	124	

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-3 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 03:52
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189003
Lab File ID: 8270-112916.BIR36871.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	<5.0	U
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	<5.0	U
84-66-2	Diethylphthalate	<5.0	U
105-67-9	2,4-Dimethylphenol	22.1	
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-3 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 03:52
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189003
Lab File ID: 8270-112916.BIR36871.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
77-47-4	Hexachlorocyclopentadiene	<5.0	U
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	<5.0	U
91-57-6	2-Methylnaphthalene	<5.0	U
95-48-7	2-Methylphenol(o-Cresol)	18.6	
91-20-3	Naphthalene	<5.0	U
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	<10.0	U
85-01-8	Phenanthrene	<5.0	U
108-95-2	Phenol	5.2	
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-3 111616

Lab Name: Pace Analytical - New York

Contract: 16110283-DEWEY LOEFFEL

Date Received: 11/19/2016 10:40

Matrix: Water SDG No.: 705189

Date Extracted: 11/23/2016 12:00

Lab Sample ID: 705189003

Date Analyzed: 11/30/2016 17:08

Lab File ID: 8270-113016.B\IR36918.D

Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 4

Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
	3&4-Methylphenol(m&p Cresol)	142	

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 111616
(blind dup of EW-3)

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 07:17
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189009
Lab File ID: 8270-112916.BIR36879.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	<5.0	U
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	<5.0	U
84-66-2	Diethylphthalate	<5.0	U
105-67-9	2,4-Dimethylphenol	22.4	
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 111616
(blind dup of EW-3)

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 07:17
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189009
Lab File ID: 8270-112916.BIR36879.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
77-47-4	Hexachlorocyclopentadiene	<5.0	U
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	<5.0	U
91-57-6	2-Methylnaphthalene	<5.0	U
95-48-7	2-Methylphenol(o-Cresol)	18.5	
91-20-3	Naphthalene	<5.0	U
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	<10.0	U
85-01-8	Phenanthrene	<5.0	U
108-95-2	Phenol	5.0	
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 111616
(blind dup of EW-3)

Lab Name: Pace Analytical - New York Contract: 16110283-DEWEY LOEFFEL
Date Received: 11/19/2016 10:40 Matrix: Water SDG No.: 705189
Date Extracted: 11/23/2016 12:00 Lab Sample ID: 705189009
Date Analyzed: 11/30/2016 18:00 Lab File ID: 8270-113016.B\IR36920.D
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 4 Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
	3&4-Methylphenol(m&p Cresol)	135	

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-4 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 05:09
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189004
Lab File ID: 8270-112916.BIR36874.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	13.7	
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	<5.0	U
84-66-2	Diethylphthalate	<5.0	U
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U
77-47-4	Hexachlorocyclopentadiene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-4 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 05:09
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189004
Lab File ID: 8270-112916.BIR36874.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	<5.0	U
91-57-6	2-Methylnaphthalene	<5.0	U
91-20-3	Naphthalene	2.4	J
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	<10.0	U
85-01-8	Phenanthrene	<5.0	U
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-4 111616

Lab Name: Pace Analytical - New York

Contract: 16110283-DEWEY LOEFFEL

Date Received: 11/19/2016 10:40

Matrix: Water SDG No.: 705189

Date Extracted: 11/23/2016 12:00

Lab Sample ID: 705189004

Date Analyzed: 11/30/2016 16:42

Lab File ID: 8270-113016.B\IR36917.D

Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 50

Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
105-67-9	2,4-Dimethylphenol	165	J
95-48-7	2-Methylphenol(o-Cresol)	267	
	3&4-Methylphenol(m&p Cresol)	1000	
108-95-2	Phenol	564	

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-5 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 05:34
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189005
Lab File ID: 8270-112916.BIR36875.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	2.7	J
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	<5.0	U
84-66-2	Diethylphthalate	<5.0	U
105-67-9	2,4-Dimethylphenol	38.7	
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-5 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 05:34
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189005
Lab File ID: 8270-112916.B\IR36875.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
77-47-4	Hexachlorocyclopentadiene	<5.0	U
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	<5.0	U
91-57-6	2-Methylnaphthalene	<5.0	U
95-48-7	2-Methylphenol(o-Cresol)	60.8	
91-20-3	Naphthalene	<5.0	U
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	<10.0	U
85-01-8	Phenanthrene	<5.0	U
108-95-2	Phenol	63.6	
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-5 111616

Lab Name: Pace Analytical - New York

Contract: 16110283-DEWEY LOEFFEL

Date Received: 11/19/2016 10:40

Matrix: Water SDG No.: 705189

Date Extracted: 11/23/2016 12:00

Lab Sample ID: 705189005

Date Analyzed: 11/30/2016 17:34

Lab File ID: 8270-113016.B\IR36919.D

Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 4

Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
	3&4-Methylphenol(m&p Cresol)	191	

MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-6 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 06:00
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189006
Lab File ID: 8270-112916.BIR36876.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	45.6	
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	4.5	J
84-66-2	Diethylphthalate	<5.0	U
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U
77-47-4	Hexachlorocyclopentadiene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-6 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 06:00
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189006
Lab File ID: 8270-112916.BIR36876.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	<5.0	U
91-57-6	2-Methylnaphthalene	1.2	J
91-20-3	Naphthalene	7.3	
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	<10.0	U
85-01-8	Phenanthrene	<5.0	U
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-6 111616

Lab Name: Pace Analytical - New York

Contract: 16110283-DEWEY LOEFFEL

Date Received: 11/19/2016 10:40

Matrix: Water SDG No.: 705189

Date Extracted: 11/23/2016 12:00

Lab Sample ID: 705189006

Date Analyzed: 11/30/2016 15:23

Lab File ID: 8270-113016.B\IR36914.D

Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 100

Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
105-67-9	2,4-Dimethylphenol	644	
95-48-7	2-Methylphenol(o-Cresol)	1010	
	3&4-Methylphenol(m&p Cresol)	3300	
108-95-2	Phenol	1920	

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-7 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 06:25
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189007
Lab File ID: 8270-112916.BIR36877.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	6.6	
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	<5.0	U
84-66-2	Diethylphthalate	<5.0	U
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U
77-47-4	Hexachlorocyclopentadiene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-7 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 06:25
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189007
Lab File ID: 8270-112916.BIR36877.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	<5.0	U
91-57-6	2-Methylnaphthalene	0.65	J
91-20-3	Naphthalene	5.7	
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	<10.0	U
85-01-8	Phenanthrene	<5.0	U
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-7 111616

Lab Name: Pace Analytical - New York

Contract: 16110283-DEWEY LOEFFEL

Date Received: 11/19/2016 10:40

Matrix: Water SDG No.: 705189

Date Extracted: 11/23/2016 12:00

Lab Sample ID: 705189007

Date Analyzed: 11/30/2016 15:49

Lab File ID: 8270-113016.B\IR36915.D

Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 100

Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
105-67-9	2,4-Dimethylphenol	535	
95-48-7	2-Methylphenol(o-Cresol)	<500	U
	3&4-Methylphenol(m&p Cresol)	2260	
108-95-2	Phenol	<500	U

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MSSV FULL SCAN - FORM I SVOA-1
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-8 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 06:51
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189008
Lab File ID: 8270-112916.BIR36878.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
83-32-9	Acenaphthene	<5.0	U
208-96-8	Acenaphthylene	<5.0	U
120-12-7	Anthracene	<5.0	U
56-55-3	Benzo(a)anthracene	<5.0	U
50-32-8	Benzo(a)pyrene	<5.0	U
205-99-2	Benzo(b)fluoranthene	<5.0	U
191-24-2	Benzo(g,h,i)perylene	<5.0	U
207-08-9	Benzo(k)fluoranthene	<5.0	U
101-55-3	4-Bromophenylphenyl ether	<5.0	U
85-68-7	Butylbenzylphthalate	<5.0	U
86-74-8	Carbazole	<5.0	U
59-50-7	4-Chloro-3-methylphenol	<5.0	U
106-47-8	4-Chloroaniline	<5.0	U
111-91-1	bis(2-Chloroethoxy)methane	<5.0	U
111-44-4	bis(2-Chloroethyl) ether	<5.0	U
91-58-7	2-Chloronaphthalene	<5.0	U
95-57-8	2-Chlorophenol	<5.0	U
7005-72-3	4-Chlorophenylphenyl ether	<5.0	U
218-01-9	Chrysene	<5.0	U
53-70-3	Dibenz(a,h)anthracene	<5.0	U
132-64-9	Dibenzofuran	<5.0	U
91-94-1	3,3'-Dichlorobenzidine	<5.0	U
120-83-2	2,4-Dichlorophenol	<5.0	U
84-66-2	Diethylphthalate	<5.0	U
105-67-9	2,4-Dimethylphenol	<5.0	U
131-11-3	Dimethylphthalate	<5.0	U
84-74-2	Di-n-butylphthalate	<5.0	U
534-52-1	4,6-Dinitro-2-methylphenol	<10.0	U
51-28-5	2,4-Dinitrophenol	<10.0	U
121-14-2	2,4-Dinitrotoluene	<5.0	U
606-20-2	2,6-Dinitrotoluene	<5.0	U
117-84-0	Di-n-octylphthalate	<5.0	U
117-81-7	bis(2-Ethylhexyl)phthalate	<5.0	U
206-44-0	Fluoranthene	<5.0	U
86-73-7	Fluorene	<5.0	U
87-68-3	Hexachloro-1,3-butadiene	<5.0	U
118-74-1	Hexachlorobenzene	<5.0	U

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MSSV FULL SCAN - FORM I SVOA-2
SEMI-VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

EW-8 111616

Lab Name: Pace Analytical - New York
Date Received: 11/19/2016 10:40
Date Extracted: 11/23/2016 12:00
Date Analyzed: 11/29/2016 06:51
Initial wt/vol: 1000 mL Final wt/vol: 1 mL Dilution: 1

Contract: 16110283-DEWEY LOEFFEL
Matrix: Water SDG No.: 705189
Lab Sample ID: 705189008
Lab File ID: 8270-112916.B\IR36878.D
Instrument: 70MSS3 Percent Moisture:

CAS NO.	COMPOUND	CONCENTRATION UNITS: ug/L	Q
77-47-4	Hexachlorocyclopentadiene	<5.0	U
67-72-1	Hexachloroethane	<5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	<5.0	U
78-59-1	Isophorone	<5.0	U
91-57-6	2-Methylnaphthalene	<5.0	U
95-48-7	2-Methylphenol(o-Cresol)	<5.0	U
	3&4-Methylphenol(m&p Cresol)	<5.0	U
91-20-3	Naphthalene	<5.0	U
88-74-4	2-Nitroaniline	<5.0	U
99-09-2	3-Nitroaniline	<5.0	U
100-01-6	4-Nitroaniline	<5.0	U
98-95-3	Nitrobenzene	<5.0	U
88-75-5	2-Nitrophenol	<5.0	U
100-02-7	4-Nitrophenol	<10.0	U
621-64-7	N-Nitroso-di-n-propylamine	<5.0	U
86-30-6	N-Nitrosodiphenylamine	<5.0	U
108-60-1	2,2'-Oxybis(1-chloropropane)	<5.0	U
87-86-5	Pentachlorophenol	<10.0	U
85-01-8	Phenanthrene	<5.0	U
108-95-2	Phenol	3.5	J
129-00-0	Pyrene	<5.0	U
95-95-4	2,4,5-Trichlorophenol	<5.0	U
88-06-2	2,4,6-Trichlorophenol	<5.0	U

12/20/2016 6:07



Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-1 111616
Lab Sample ID: 16110283-01 (AT31012)

Collection Date: 11/16/2016 07:30
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-5	SW-846 Method 8082A	12/02/2016 16:42	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-5
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-5
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-5
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-5
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-5
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-5
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-5
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	51.0	39.3-121		GC28F-2064-5
Decachlorobiphenyl	2051-24-3	79.7	10.0-160		GC28F-2064-5
Tetrachloro-meta-xylene	877-09-8	59.1	39.3-121		GC28B-2061-5
Decachlorobiphenyl	2051-24-3	83.3	10.0-160		GC28B-2061-5

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-2 111616
Lab Sample ID: 16110283-02 (AT31013)

Collection Date: 11/16/2016 08:00
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-6	SW-846 Method 8082A	12/02/2016 16:56	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-6
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-6
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-6
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-6
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-6
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-6
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-6
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	88.8	39.3-121		GC28F-2064-6
Decachlorobiphenyl	2051-24-3	110	10.0-160		GC28F-2064-6
Tetrachloro-meta-xylene	877-09-8	91.9	39.3-121		GC28B-2061-6
Decachlorobiphenyl	2051-24-3	111	10.0-160		GC28B-2061-6

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-3 111616
Lab Sample ID: 16110283-03 (AT31014)

Collection Date: 11/16/2016 08:30
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-7	SW-846 Method 8082A	12/02/2016 17:10	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-7
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-7
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-7
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-7
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-7
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-7
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-7
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	70.5	39.3-121		GC28F-2064-7
Decachlorobiphenyl	2051-24-3	107	10.0-160		GC28F-2064-7
Tetrachloro-meta-xylene	877-09-8	67.1	39.3-121		GC28B-2061-7
Decachlorobiphenyl	2051-24-3	105	10.0-160		GC28B-2061-7

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: DUP-1 111616 (blind dup of EW-3)
Lab Sample ID: 16110283-09 (AT31020)

Collection Date: 11/16/2016
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-17	SW-846 Method 8082A	12/02/2016 19:29	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-17
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-17
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-17
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-17
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-17
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-17
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-17
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	33.7	39.3-121	*	GC28F-2064-17
Decachlorobiphenyl	2051-24-3	69.3	10.0-160		GC28F-2064-17
Tetrachloro-meta-xylene	877-09-8	29.8	39.3-121	*	GC28B-2061-17
Decachlorobiphenyl	2051-24-3	67.1	10.0-160		GC28B-2061-17

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-4 111616
Lab Sample ID: 16110283-04 (AT31015)

Collection Date: 11/16/2016 09:00
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-10	SW-846 Method 8082A	12/02/2016 17:52	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-10
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-10
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-10
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-10
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-10
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-10
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-10
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	78.7	39.3-121		GC28F-2064-10
Decachlorobiphenyl	2051-24-3	113	10.0-160		GC28F-2064-10
Tetrachloro-meta-xylene	877-09-8	105	39.3-121		GC28B-2061-10
Decachlorobiphenyl	2051-24-3	106	10.0-160		GC28B-2061-10

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-5 111616
Lab Sample ID: 16110283-05 (AT31016)

Collection Date: 11/16/2016 09:30
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-11	SW-846 Method 8082A	12/02/2016 18:06	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-11
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-11
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-11
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-11
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-11
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-11
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-11
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	69.5	39.3-121		GC28F-2064-11
Decachlorobiphenyl	2051-24-3	111	10.0-160		GC28F-2064-11
Tetrachloro-meta-xylene	877-09-8	66.8	39.3-121		GC28B-2061-11
Decachlorobiphenyl	2051-24-3	108	10.0-160		GC28B-2061-11

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-6 111616
Lab Sample ID: 16110283-06 (AT31017)

Collection Date: 11/16/2016 10:00
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-12	SW-846 Method 8082A	12/02/2016 18:19	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-12
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-12
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-12
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-12
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-12
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-12
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-12
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	86.7	39.3-121		GC28F-2064-12
Decachlorobiphenyl	2051-24-3	97.8	10.0-160		GC28F-2064-12
Tetrachloro-meta-xylene	877-09-8	115	39.3-121		GC28B-2061-12
Decachlorobiphenyl	2051-24-3	95.5	10.0-160		GC28B-2061-12

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-7 111616
Lab Sample ID: 16110283-07 (AT31018)

Collection Date: 11/16/2016 10:30
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-15	SW-846 Method 8082A	12/02/2016 19:01	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-15
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-15
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-15
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-15
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-15
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-15
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-15
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-15

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	98.2	39.3-121		GC28F-2064-15
Decachlorobiphenyl	2051-24-3	99.3	10.0-160		GC28F-2064-15
Tetrachloro-meta-xylene	877-09-8	91.6	39.3-121		GC28B-2061-15
Decachlorobiphenyl	2051-24-3	92.0	10.0-160		GC28B-2061-15

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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Analytical Sample Results

Job Number: 16110283

Pace Analytical Services
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-8 111616
Lab Sample ID: 16110283-08 (AT31019)

Collection Date: 11/16/2016 11:00
Sample Matrix: WATER
Received Date: 11/16/2016 14:29
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-2064-16	SW-846 Method 8082A	12/02/2016 19:15	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	35116	EPA 3535A	12/01/2016 12:00	SW	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28F-2064-16
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-2064-16
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-2064-16
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-2064-16
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-2064-16
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-2064-16
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-2064-16
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-2064-16

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	67.2	39.3-121		GC28F-2064-16
Decachlorobiphenyl	2051-24-3	109	10.0-160		GC28F-2064-16
Tetrachloro-meta-xylene	877-09-8	84.0	39.3-121		GC28B-2061-16
Decachlorobiphenyl	2051-24-3	129	10.0-160		GC28B-2061-16

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

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FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-1 111616

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	<200	U	ug/L	1	12/21/2016 12:45
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 12:45
7440-38-2	Arsenic	7.4	J	ug/L	1	12/21/2016 12:45
7440-39-3	Barium	65.1	J	ug/L	1	12/21/2016 12:45
7440-41-7	Beryllium	<5.0	U	ug/L	1	12/21/2016 12:45
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 12:45
7440-70-2	Calcium	24100		ug/L	1	12/21/2016 12:45
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 12:45
7440-48-4	Cobalt	<50.0	U	ug/L	1	12/21/2016 12:45
7440-50-8	Copper	3.3	J	ug/L	1	12/21/2016 12:45
7439-89-6	Iron	<100	U	ug/L	1	12/21/2016 12:45
7439-92-1	Lead	3.8	J	ug/L	1	12/21/2016 12:45
7439-95-4	Magnesium	5070		ug/L	1	12/21/2016 12:45
7439-96-5	Manganese	269		ug/L	1	12/21/2016 12:45
7440-02-0	Nickel	<40.0	U	ug/L	1	12/21/2016 12:45
7440-09-7	Potassium	<5000	U	ug/L	1	12/21/2016 12:45
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 12:45
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 12:45
7440-23-5	Sodium	52500		ug/L	1	12/21/2016 12:45
7440-28-0	Thallium	<10.0	U	ug/L	1	12/21/2016 12:45
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 12:45
7440-66-6	Zinc	2080		ug/L	1	12/21/2016 12:45

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-2 111616

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	31.5	J	ug/L	1	12/21/2016 12:20
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 12:20
7440-38-2	Arsenic	6.5	J	ug/L	1	12/21/2016 12:20
7440-39-3	Barium	173	J	ug/L	1	12/21/2016 12:20
7440-41-7	Beryllium	0.17	J	ug/L	1	12/21/2016 12:20
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 12:20
7440-70-2	Calcium	18600		ug/L	1	12/21/2016 12:20
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 12:20
7440-48-4	Cobalt	<50.0	U	ug/L	1	12/21/2016 12:20
7440-50-8	Copper	24.3	J	ug/L	1	12/21/2016 12:20
7439-89-6	Iron	<100	U	ug/L	1	12/21/2016 12:20
7439-92-1	Lead	1.9	J	ug/L	1	12/21/2016 12:20
7439-95-4	Magnesium	4520		ug/L	1	12/21/2016 12:20
7439-96-5	Manganese	401		ug/L	1	12/21/2016 12:20
7440-02-0	Nickel	<40.0	U	ug/L	1	12/21/2016 12:20
7440-09-7	Potassium	<5000	U	ug/L	1	12/21/2016 12:20
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 12:20
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 12:20
7440-23-5	Sodium	43200		ug/L	1	12/21/2016 12:20
7440-28-0	Thallium	<10.0	U	ug/L	1	12/21/2016 12:20
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 12:20
7440-66-6	Zinc	38.3		ug/L	1	12/21/2016 12:20

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-3 111616

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	<200	U	ug/L	1	12/21/2016 12:09
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 12:09
7440-38-2	Arsenic	4.1	J	ug/L	1	12/21/2016 12:09
7440-39-3	Barium	263		ug/L	1	12/21/2016 12:09
7440-41-7	Beryllium	<5.0	U	ug/L	1	12/21/2016 12:09
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 12:09
7440-70-2	Calcium	13300		ug/L	1	12/21/2016 12:09
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 12:09
7440-48-4	Cobalt	<50.0	U	ug/L	1	12/21/2016 12:09
7440-50-8	Copper	1.5	J	ug/L	1	12/21/2016 12:09
7439-89-6	Iron	883		ug/L	1	12/21/2016 12:09
7439-92-1	Lead	0.89	J	ug/L	1	12/21/2016 12:09
7439-95-4	Magnesium	599		ug/L	1	12/21/2016 12:09
7439-96-5	Manganese	159		ug/L	1	12/21/2016 12:09
7440-02-0	Nickel	11.4	J	ug/L	1	12/21/2016 12:09
7440-09-7	Potassium	770	J	ug/L	1	12/21/2016 12:09
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 12:09
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 12:09
7440-23-5	Sodium	144000		ug/L	1	12/21/2016 12:09
7440-28-0	Thallium	<10.0	U	ug/L	1	12/21/2016 12:09
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 12:09
7440-66-6	Zinc	1390		ug/L	1	12/21/2016 12:09

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

DUP-1 111616
(blind dup of EW-3)

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189009 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	<200	U	ug/L	1	12/21/2016 13:21
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 13:21
7440-38-2	Arsenic	5.7	J	ug/L	1	12/21/2016 13:21
7440-39-3	Barium	264		ug/L	1	12/21/2016 13:21
7440-41-7	Beryllium	0.12	J	ug/L	1	12/21/2016 13:21
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 13:21
7440-70-2	Calcium	13200		ug/L	1	12/21/2016 13:21
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 13:21
7440-48-4	Cobalt	<50.0	U	ug/L	1	12/21/2016 13:21
7440-50-8	Copper	1.4	J	ug/L	1	12/21/2016 13:21
7439-89-6	Iron	1610		ug/L	1	12/21/2016 13:21
7439-92-1	Lead	1.3	J	ug/L	1	12/21/2016 13:21
7439-95-4	Magnesium	594		ug/L	1	12/21/2016 13:21
7439-96-5	Manganese	175		ug/L	1	12/21/2016 13:21
7440-02-0	Nickel	7.3	J	ug/L	1	12/21/2016 13:21
7440-09-7	Potassium	593	J	ug/L	1	12/21/2016 13:21
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 13:21
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 13:21
7440-23-5	Sodium	146000		ug/L	1	12/21/2016 13:21
7440-28-0	Thallium	<10.0	U	ug/L	1	12/21/2016 13:21
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 13:21
7440-66-6	Zinc	1170		ug/L	1	12/21/2016 13:21

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INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-4 111616

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	<200	U	ug/L	1	12/21/2016 12:25
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 12:25
7440-38-2	Arsenic	<10.0	U	ug/L	1	12/21/2016 12:25
7440-39-3	Barium	2490		ug/L	1	12/21/2016 12:25
7440-41-7	Beryllium	<5.0	U	ug/L	1	12/21/2016 12:25
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 12:25
7440-70-2	Calcium	42800		ug/L	1	12/21/2016 12:25
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 12:25
7440-48-4	Cobalt	<50.0	U	ug/L	1	12/21/2016 12:25
7440-50-8	Copper	3.0	J	ug/L	1	12/21/2016 12:25
7439-89-6	Iron	96.8	J	ug/L	1	12/21/2016 12:25
7439-92-1	Lead	1.8	J	ug/L	1	12/21/2016 12:25
7439-95-4	Magnesium	2840		ug/L	1	12/21/2016 12:25
7439-96-5	Manganese	988		ug/L	1	12/21/2016 12:25
7440-02-0	Nickel	<40.0	U	ug/L	1	12/21/2016 12:25
7440-09-7	Potassium	1030	J	ug/L	1	12/21/2016 12:25
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 12:25
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 12:25
7440-23-5	Sodium	157000		ug/L	1	12/21/2016 12:25
7440-28-0	Thallium	<10.0	U	ug/L	1	12/21/2016 12:25
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 12:25
7440-66-6	Zinc	217		ug/L	1	12/21/2016 12:25

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-5 111616

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	<200	U	ug/L	1	12/21/2016 13:01
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 13:01
7440-38-2	Arsenic	30.4		ug/L	1	12/21/2016 13:01
7440-39-3	Barium	565		ug/L	1	12/21/2016 13:01
7440-41-7	Beryllium	<5.0	U	ug/L	1	12/21/2016 13:01
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 13:01
7440-70-2	Calcium	53000		ug/L	1	12/21/2016 13:01
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 13:01
7440-48-4	Cobalt	0.80	J	ug/L	1	12/21/2016 13:01
7440-50-8	Copper	2.8	J	ug/L	1	12/21/2016 13:01
7439-89-6	Iron	1770		ug/L	1	12/21/2016 13:01
7439-92-1	Lead	<5.0	U	ug/L	1	12/21/2016 13:01
7439-95-4	Magnesium	6260		ug/L	1	12/21/2016 13:01
7439-96-5	Manganese	583		ug/L	1	12/21/2016 13:01
7440-02-0	Nickel	<40.0	U	ug/L	1	12/21/2016 13:01
7440-09-7	Potassium	1030	J	ug/L	1	12/21/2016 13:01
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 13:01
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 13:01
7440-23-5	Sodium	122000		ug/L	1	12/21/2016 13:01
7440-28-0	Thallium	<10.0	U	ug/L	1	12/21/2016 13:01
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 13:01
7440-66-6	Zinc	6620		ug/L	1	12/21/2016 13:01

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-6 111616

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189006 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	<200	U	ug/L	1	12/21/2016 13:06
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 13:06
7440-38-2	Arsenic	15.1		ug/L	1	12/21/2016 13:06
7440-39-3	Barium	5150		ug/L	1	12/21/2016 13:06
7440-41-7	Beryllium	<5.0	U	ug/L	1	12/21/2016 13:06
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 13:06
7440-70-2	Calcium	188000		ug/L	1	12/21/2016 13:06
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 13:06
7440-48-4	Cobalt	<50.0	U	ug/L	1	12/21/2016 13:06
7440-50-8	Copper	<25.0	U	ug/L	1	12/21/2016 13:06
7439-89-6	Iron	642		ug/L	1	12/21/2016 13:06
7439-92-1	Lead	1.2	J	ug/L	1	12/21/2016 13:06
7439-95-4	Magnesium	30800		ug/L	1	12/21/2016 13:06
7439-96-5	Manganese	2020		ug/L	1	12/21/2016 13:06
7440-02-0	Nickel	<40.0	U	ug/L	1	12/21/2016 13:06
7440-09-7	Potassium	2220	J	ug/L	1	12/21/2016 13:06
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 13:06
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 13:06
7440-23-5	Sodium	40500		ug/L	1	12/21/2016 13:06
7440-28-0	Thallium	<10.0	U	ug/L	1	12/21/2016 13:06
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 13:06
7440-66-6	Zinc	3330		ug/L	1	12/21/2016 13:06

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-7 111616

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189007 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	<200	U	ug/L	1	12/21/2016 13:11
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 13:11
7440-38-2	Arsenic	3.9	J	ug/L	1	12/21/2016 13:11
7440-39-3	Barium	4070		ug/L	1	12/21/2016 13:11
7440-41-7	Beryllium	0.12	J	ug/L	1	12/21/2016 13:11
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 13:11
7440-70-2	Calcium	164000		ug/L	1	12/21/2016 13:11
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 13:11
7440-48-4	Cobalt	<50.0	U	ug/L	1	12/21/2016 13:11
7440-50-8	Copper	<25.0	U	ug/L	1	12/21/2016 13:11
7439-89-6	Iron	635		ug/L	1	12/21/2016 13:11
7439-92-1	Lead	1.4	J	ug/L	1	12/21/2016 13:11
7439-95-4	Magnesium	45000		ug/L	1	12/21/2016 13:11
7439-96-5	Manganese	905		ug/L	1	12/21/2016 13:11
7440-02-0	Nickel	<40.0	U	ug/L	1	12/21/2016 13:11
7440-09-7	Potassium	2130	J	ug/L	1	12/21/2016 13:11
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 13:11
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 13:11
7440-23-5	Sodium	20800		ug/L	1	12/21/2016 13:11
7440-28-0	Thallium	1.9	J	ug/L	1	12/21/2016 13:11
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 13:11
7440-66-6	Zinc	19.7	J	ug/L	1	12/21/2016 13:11

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EW-8 111616

Lab Name: Pace Analytical - New York SDG No. : 705189 Contract: 16110283-DEWEY LOEFFEL
Lab Sample ID: 705189008 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
7429-90-5	Aluminum	<200	U	ug/L	1	12/21/2016 13:16
7440-36-0	Antimony	<60.0	U	ug/L	1	12/21/2016 13:16
7440-38-2	Arsenic	<10.0	U	ug/L	1	12/21/2016 13:16
7440-39-3	Barium	188	J	ug/L	1	12/21/2016 13:16
7440-41-7	Beryllium	<5.0	U	ug/L	1	12/21/2016 13:16
7440-43-9	Cadmium	<2.5	U	ug/L	1	12/21/2016 13:16
7440-70-2	Calcium	12000		ug/L	1	12/21/2016 13:16
7440-47-3	Chromium	<10.0	U	ug/L	1	12/21/2016 13:16
7440-48-4	Cobalt	<50.0	U	ug/L	1	12/21/2016 13:16
7440-50-8	Copper	1.8	J	ug/L	1	12/21/2016 13:16
7439-89-6	Iron	<100	U	ug/L	1	12/21/2016 13:16
7439-92-1	Lead	1.3	J	ug/L	1	12/21/2016 13:16
7439-95-4	Magnesium	1060		ug/L	1	12/21/2016 13:16
7439-96-5	Manganese	156		ug/L	1	12/21/2016 13:16
7440-02-0	Nickel	<40.0	U	ug/L	1	12/21/2016 13:16
7440-09-7	Potassium	598	J	ug/L	1	12/21/2016 13:16
7782-49-2	Selenium	<10.0	U	ug/L	1	12/21/2016 13:16
7440-22-4	Silver	<10.0	U	ug/L	1	12/21/2016 13:16
7440-23-5	Sodium	144000		ug/L	1	12/21/2016 13:16
7440-28-0	Thallium	<10.0	U	ug/L	1	12/21/2016 13:16
7440-62-2	Vanadium	<50.0	U	ug/L	1	12/21/2016 13:16
7440-66-6	Zinc	<20.0	U	ug/L	1	12/21/2016 13:16

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16 07:30
Date Received: 11/19/16 09:14

Sample Name: EW-1 111616
Lab Code: R1612298-001

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	5.6	0.040	0.020	1	11/22/16 18:06	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	96	64 - 124	11/22/16 18:06	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16 08:00
Date Received: 11/19/16 09:14

Sample Name: EW-2 111616
Lab Code: R1612298-002

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	55	0.040	0.020	1	11/22/16 18:25	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	92	64 - 124	11/22/16 18:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16 08:30
Date Received: 11/19/16 09:14

Sample Name: EW-3 111616
Lab Code: R1612298-003

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	80	0.040	0.020	1	11/22/16 18:45	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	89	64 - 124	11/22/16 18:45	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16
Date Received: 11/19/16 09:14

Sample Name: DUP-2 111616 (blind dup of EW-3)
Lab Code: R1612298-009

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	74	0.040	0.020	1	11/23/16 11:33	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	78	64 - 124	11/23/16 11:33	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16 09:00
Date Received: 11/19/16 09:14

Sample Name: EW-4 111616
Lab Code: R1612298-004

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	300	0.40	0.20	10	11/23/16 11:54	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	102	64 - 124	11/23/16 11:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16 09:30
Date Received: 11/19/16 09:14

Sample Name: EW-5 111616
Lab Code: R1612298-005

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	220	0.40	0.20	10	11/23/16 10:12	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	122	64 - 124	11/23/16 10:12	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16 10:00
Date Received: 11/19/16 09:14

Sample Name: EW-6-111616
Lab Code: R1612298-006

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	880	0.40	0.20	10	11/23/16 10:32	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	91	64 - 124	11/23/16 10:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16 10:30
Date Received: 11/19/16 09:14

Sample Name: EW-7 111616
Lab Code: R1612298-007

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	1000	0.40	0.20	10	11/23/16 10:51	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	104	64 - 124	11/23/16 10:51	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16110274/Dewey Loeffel
Sample Matrix: Water

Service Request: R1612298
Date Collected: 11/16/16 11:00
Date Received: 11/19/16 09:14

Sample Name: EW-8 111616
Lab Code: R1612298-008

Units: ug/L
Basis: NA

1,4-Dioxane by GC/MS

Analysis Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,4-Dioxane	51	0.040	0.020	1	11/23/16 11:12	11/21/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	79	64 - 124	11/23/16 11:12	

**2016 Leachate Collection
Tank Laboratory Result
Forms**

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LEACHATE

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478

Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438

Matrix: (soil/water)

WATER

Lab Sample ID: 1603K13-001A

Sample wt/vol: 5

(g/mL) ML

Lab File ID: 6\J23068.D

Level: (low/med)

LOW

Date Received: 03/25/16

% Moisture: not dec.

Date Analyzed: 03/25/16

GC Column: Rtx-624

ID: .18 (mm)

Dilution Factor: 10.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl chloride	49	
74-83-9	Bromomethane	10	U
75-00-3	Chloroethane	10	U
75-69-4	Trichlorofluoromethane	10	U
75-35-4	1,1-Dichloroethene	10	U
76-13-1	Freon-113	10	U
67-64-1	Acetone	33	J
75-15-0	Carbon disulfide	10	U
75-09-2	Methylene chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
1634-04-4	Methyl tert-butyl ether	10	U
75-34-3	1,1-Dichloroethane	13	
156-59-2	cis-1,2-Dichloroethene	48	
78-93-3	2-Butanone	10	U
74-97-5	Bromochloromethane	10	U
67-66-3	Chloroform	10	U
71-55-6	1,1,1-Trichloroethane	10	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	520	
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	50	
78-87-5	1,2-Dichloropropane	10	U
75-27-4	Bromodichloromethane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
108-10-1	4-Methyl-2-pentanone	10	U
108-88-3	Toluene	920	
10061-02-6	trans-1,3-Dichloropropene	10	U
79-00-5	1,1,2-Trichloroethane	10	U
127-18-4	Tetrachloroethene	10	U
591-78-6	2-Hexanone	50	U

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LEACHATE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY438

Matrix: (soil/water) WATER Lab Sample ID: 1603K13-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 6\J23068.D

Level: (low/med) LOW Date Received: 03/25/16

% Moisture: not dec. Date Analyzed: 03/25/16

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 10.00

Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	950	
100-41-4	Ethylbenzene	82	
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	140	
95-47-6	o-Xylene	91	
100-42-5	Styrene	10	U
75-25-2	Bromoform	10	U
98-82-8	Isopropylbenzene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-86-1	Bromobenzene	10	U
541-73-1	1,3-Dichlorobenzene	12	
106-46-7	1,4-Dichlorobenzene	58	
87-61-6	1,2,3-Trichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LEACHATE 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-001BSample wt/vol: 1000 (g/mL) mlLab File ID: S5600.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	2	J
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	14	
95-48-7	2-Methylphenol	10	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	4	J
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	3	J
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	2	JZ
91-20-3	Naphthalene	4	J
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	5	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	5	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	10	U
83-32-9	Acenaphthene	5	U
51-28-5	2,4-Dinitrophenol	10	U
100-02-7	4-Nitrophenol	10	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

4-13-16
GV

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

LEACHATE 032316

Lab Name: PACE ANALYTICAL

Contract: _____

Lab Code: 10478Case No.: PACE-NY

SAS No.: _____

SDG No.: PACE-NY438Matrix: (soil/water) WATERLab Sample ID: 1603K13-001BSample wt/vol: 1000 (g/mL) mlLab File ID: S5600.DLevel: (low/med) LOWDate Received: 03/25/16% Moisture: Decanted: (Y/N) NDate Extracted: 03/28/16Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/29/16Injection Volume: 1 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
100-01-6	4-Nitroaniline	10	U	
534-52-1	4,6-Dinitro-2-methylphenol	10	U	
86-30-6	N-Nitrosodiphenylamine	10	U	
101-55-3	4-Bromophenyl-phenylether	10	U	
118-74-1	Hexachlorobenzene	10	U	
87-86-5	Pentachlorophenol	10	U	
85-01-8	Phenanthrene	5	U	
120-12-7	Anthracene	5	U	
86-74-8	Carbazole	5	U	
84-74-2	Di-n-butyl phthalate	2	J	
206-44-0	Fluoranthene	5	U	
129-00-0	Pyrene	5	U	
85-68-7	Butyl benzyl phthalate	10	U	
91-94-1	3,3'-Dichlorobenzidine	10	U	
56-55-3	Benzo(a)anthracene	5	U	
218-01-9	Chrysene	5	U	
117-81-7	Bis(2-ethylhexyl)phthalate	10	U	
117-84-0	Di-n-octyl phthalate	10	U	
205-99-2	Benzo(b)fluoranthene	5	U	
207-08-9	Benzo(k)fluoranthene	5	U	
50-32-8	Benzo(a)pyrene	5	U	
193-39-5	Indeno(1,2,3-cd)pyrene	5	U	
53-70-3	Dibenzo(a,h)anthracene	5	U	
191-24-2	Benzo(g,h,i)perylene	5	U	

(1) Cannot be separated from Diphenylamine



Analytical Sample Results

Job Number: 16030448

Pace Analytical Services, Inc.
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Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: LEACHATE 032316
Lab Sample ID: 16030448-01 (AT06683)

Collection Date: 03/23/2016 07:00
Sample Matrix: WATER
Received Date: 03/23/2016 15:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28B-1894-7	SW-846 Method 8082A	04/05/2016 11:35	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33674	EPA 3535A	04/04/2016 09:00	KMS	1080 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0500	1.00	U	GC28B-1894-7
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28B-1894-7
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28B-1894-7
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28B-1894-7
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28B-1894-7
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28B-1894-7
Aroclor 1260	11096-82-5	0.0750	0.0500	1.00	AG	GC28B-1894-7
Total PCB Amount	1336-36-3	0.0750		1.00		GC28B-1894-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q ¹	File ID
Tetrachloro-meta-xylene	877-09-8	74.3	39.3-121		GC28B-1894-7
Decachlorobiphenyl	2051-24-3	77.2	10.0-160		GC28B-1894-7
Tetrachloro-meta-xylene	877-09-8	81.6	39.3-121		GC28F-1897-7
Decachlorobiphenyl	2051-24-3	82.3	10.0-160		GC28F-1897-7

¹Qualifier column where '*' denotes value outside the control limits or 'D' denotes value was diluted.

ND: Denotes analyte not detected at a concentration greater than the PQL.

PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

LEACHATE 032316

Lab Name: PACE ANALYTICAL

Contract:

Lab Code: 10478

Case No.

NRAS No.:

SDG No.: PACE-NY438Matrix (soil/water): WATERLab Sample ID: 1603K13-001Level (low/med): LOWDate Received: 03/25/2016% Solids: 0.0Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	31.9	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	109			P
7440-39-3	Barium	2010			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.20	J		P
7440-70-2	Calcium	142000			P
7440-47-3	Chromium	5.5	J		P
7440-48-4	Cobalt	4.5	J		P
7440-50-8	Copper	21.7	J		P
7439-89-6	Iron	32700			P
7439-92-1	Lead	10.7			P
7439-95-4	Magnesium	27700			P
7439-96-5	Manganese	12600			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2120	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	4.5	J		P
7440-23-5	Sodium	27800			P
7440-28-0	Thallium	4.8	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	82.1		N*	P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: YELLOW Clarity After: CLEAR

Artifacts: _____

Comments:

Date Reported: 5/3/16

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client: Pace Analytical Services - NY
Project: 16030449/Dewey Loeffel
Sample Matrix: Water
Sample Name: LEACHATE 032316
Lab Code: R1602739-001

Service Request: R1602739
Date Collected: 3/23/16 0700
Date Received: 3/24/16
Units: µg/L
Basis: NA

1,4-Dioxane by GC/MS

Analytical Method: 8270D
Prep Method: EPA 3535A

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Analysis Lot	Note
1,4-Dioxane	680		2.0	0.20	1	3/28/16	3/28/16 16:11	258213	489573	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	96	64-124	3/28/16 16:11	



Data Quality Review

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1. DATA QUALITY REVIEW

A data quality review was performed on the data collected as part of the groundwater monitoring program. Results of the data quality review performed on the groundwater samples collected for analysis of VOCs and 1,4-dioxane during both the Spring and Fall 2016 events are provided below. The analytical data from the semi-annual groundwater sampling events are summarized in a detects-only tabular format in Tables 4-5 through 4-8, while the analytical result forms are presented in Appendices E.1 and E.2.

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

- Case narrative
- Chain-of-custody record
- Sample preservation
- Sample holding time
- Method blanks
- Surrogate spike recoveries
- Laboratory control sample (LCS) recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Blind field duplicate sample precision
- Reported practical quantitation limits (PQLs)
- Trip blank sample results
- Document completeness.

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

- "U" Indicates that the sample was analyzed, but the compound of interest was not detected. The sample reporting limits or PQLs are, therefore, presented followed by the "U" notation.
- "J" Indicates that the detected concentration should be considered an estimated value. The decision to add the "J" qualifier is based on the quantitative criteria contained in data validation guidelines. The identity of the analyte is not brought into question. However, the "J" qualifier results in a loss of confidence in the accuracy of the detected concentration, and, therefore is presented as an estimated value. The "J" qualifier is also applied to concentrations detected above the method detection limit, but below the PQL.
- "UJ" Indicates that the PQL should be considered approximate. The decision to add the "UJ" qualifier is based on the quantitative criteria contained in data validation guidelines. The identity of the analyte is not brought into question. However, the "UJ" qualifier results in a loss of confidence in the accuracy of the PQL, and, therefore is presented as approximate.

Overall Data Assessment

For both of the groundwater sampling events performed in 2016, 100 percent (%) of the data were determined to be usable for qualitative and quantitative purposes based on the data quality review. The Spring 2016 data were not qualified, while approximately six percent of the Fall 2016 data were qualified as discussed below.

1.1. Volatile Organic Analyses

The samples analyzed for VOCs by USEPA SW-846 Method 8260C, are shown in Tables 4-1 and 4-2. The following QA/QC parameters were found to meet QC criteria or did not result in qualification of the data in both the Spring and Fall 2016 sampling events: case narrative; chain-of-custody records; sample preservation; sample holding time; and, method blanks. Field QA/QC sample details, as well as excursions that resulted in qualification of the data, are summarized below.

Blind Field Duplicate Results

During the Spring 2016 groundwater sampling event, blind duplicate sample DUP-001-051716 was collected from monitoring well OMW-102. The detected analytes had relative percent difference (RPD) values below the quality control (QC) criteria of 50%, or were within plus or minus two times the PQL for values less than five times the PQL concentration.

During the Fall 2016 groundwater sampling event, blind duplicate sample DUP-002-10202016 was collected from monitoring well OMW-216. The detected analytes have RPD values below the QC criteria of 50%, or were within plus or minus two times the PQL for values less than five times the PQL concentration.

Also during the Fall 2016 groundwater sampling event, laboratory duplicate samples were analyzed using the samples collected from monitoring wells OMW-214 and OMW-216. The detected analytes have RPD values below the QC criteria of 50%, or were within plus or minus two times the PQL for values less than five times the PQL concentration with the following exception:

- Benzene had an RPD value greater than 50% in monitoring well OMW-214 and the laboratory duplicate. In addition, the detection of benzene in monitoring well OMW-214 is greater than five times the PQL concentration. The benzene result is considered estimated (J) in OMW-214.

MS/MSD Results

During the Spring 2016 groundwater sampling event, an MS/MSD sample pair was collected from monitoring well OMW-215. The percent recoveries and RPD values were within the QC criteria with two exceptions. The bromobenzene and 1,2,3-trichlorobenzene percent recoveries in the MSD sample were both above the QC criteria. The percent recoveries of bromobenzene and 1,2,3-trichlorobenzene in both the MS and the associated LCS were within the QC criteria and both compounds were not detected in the parent sample; therefore, qualification is not necessary.

During the Fall 2016 groundwater sampling event, an MS/MSD sample pair was collected from monitoring well OMW-223. The percent recoveries and RPD values were within the QC criteria with three exceptions. The 1,2,3-trichlorobenzene percent recovery in the MSD and the bromobenzene percent recoveries in the MS and MSD were above the QC criteria. The percent recovery of 1,2,3-trichlorobenzene in the associated LCS was within the QC criteria, while the percent recovery of bromobenzene in the associated LCS was above the QC criteria. Both 1,2,3-trichlorobenzene and bromobenzene were not detected in the parent sample; therefore, qualification is not necessary.

Also during the Fall 2016 groundwater sampling event, a laboratory MS sample was analyzed using the sample DUP-002-10202016 collected from monitoring well OMW-216. The percent recoveries and RPD values were within the QC criteria with one exception. The bromobenzene percent recovery was above the QC criteria. While the percent recovery of bromobenzene was also above the QC criteria in the associated LCS, bromobenzene was not detected in the parent sample; therefore, qualification is not necessary.

Surrogate Spike Recoveries

During the Spring 2016 groundwater sampling event, surrogate spike recoveries analyzed with the groundwater samples were within the QC criteria.

During the Fall 2016 groundwater sampling event, surrogate spike recoveries analyzed with the groundwater samples were within the QC criteria with one exception. The 1,2-dichloroethane-d4 percent recovery in the undiluted analysis of the groundwater sample collected from monitoring well OMW-201 was below the QC criteria. Detected results reported from the undiluted analysis were qualified as estimated (J), while non-detect results reported from the undiluted analysis were qualified as not detected at an estimated PQL (UJ).

LCS Recoveries

The percent recoveries of the LCSs analyzed with the Spring 2016 groundwater samples were within the laboratory QC criteria.

The percent recoveries of the four LCSs analyzed with the Fall 2016 groundwater samples were within the laboratory QC criteria with five exceptions. Bromobenzene percent recoveries were above the laboratory QC criteria in three of the four LCSs. Bromobenzene was not detected in the groundwater samples analyzed with these three LCSs, so qualification was not necessary.

In addition, the 1,2,3-trichlorobenzene percent recovery was above the laboratory QC criteria and the bromomethane percent recovery was below the laboratory QC criteria in one of the two LCSs analyzed on October 26, 2016. 1,2,3-Trichlorobenzene and bromomethane were not detected in the groundwater samples analyzed with this LCS. Qualification of the 1,2,3-trichlorobenzene results was not necessary; however, as a result of the low percent recovery of bromomethane, the following non-detect results were qualified as not detected at an estimated PQL (UJ):

- Monitoring wells OMW-201, OMW-102, OMW-214 and DUP-002-10202016 at 1.0 UJ µg/L.

Reported PQLs

The PQLs reported for the Spring 2016 groundwater samples were consistent with the site-specific UFP QAPP.

The PQLs reported for the Fall 2016 groundwater samples were consistent with the site-specific UFP QAPP with one exception. m,p-Xylene was reported to a PQL of 2.0 µg/L, while the site-specific UFP QAPP specifies a PQL of 1.0 µg/L.

Trip Blank Sample Results

A trip blank was included in each cooler of samples provided to the laboratory for VOC analyses. One shipment was delivered to the laboratory during the Spring 2016 groundwater sampling event, and VOCs were not detected in the trip blank shipped with those samples.

Three shipments were delivered to the laboratory during the Fall 2016 groundwater sampling event. Acetone was detected in two of the three trip blanks shipped with those samples. The trip blank shipped with the samples collected on October 18 and October 19, 2016 had estimated acetone concentrations at 1.9 J µg/L and 2.1 J µg/L, respectively. As a result of the estimated concentrations of acetone, the following acetone results were qualified as not detected at the PQL (U):

- Monitoring wells OMW-103, OMW-202, OMW-215, OMW-221, OMW-222 and OMW-223 at 1.0 U µg/L.

In addition, the following acetone results were qualified as not detected at the original concentration (U):

- Monitoring wells OMW-205 and OMW-218 at 5.1 U µg/L.

Document Completeness

The laboratory data packages provided for the Spring 2016 groundwater sampling event were complete upon original receipt.

The laboratory data packages provided for the Fall 2016 groundwater sampling event containing 1,4-dioxane results were complete upon original receipt. However, the laboratory data packages containing VOC data were

originally received from the laboratory without project narratives. These laboratory data packages were subsequently revised to include project narratives.

1.2. 1,4-Dioxane Analyses

The samples collected for 1,4-dioxane analysis were analyzed by USEPA SW-846 Method 8270D SIM, and are shown in Tables 4-1 and 4-2. The following QA/QC parameters for 1,4-dioxane were found to meet QC criteria during both the Spring and Fall 2016 groundwater sampling events: case narrative; chain-of-custody records; sample preservation; sample holding time; method blanks; surrogate spike recoveries; LCS recoveries; MS/MSD results; blind field duplicate samples; reported PQLs; and, document completeness. Field QA/QC sample details are summarized below.

Blind Field Duplicate Results

During the Spring 2016 groundwater sampling event, blind duplicate sample DUP-002-051716 was collected from monitoring well OMW-201. The 1,4-dioxane detections have RPD values below the QC criteria of 50%, or were within plus or minus two times the PQL for values less than five times the PQL concentration.

During the Fall 2016 groundwater sampling event, blind duplicate sample DUP-001-101916 was collected from monitoring well OMW-205. The 1,4-dioxane detections have RPD values below the QC criteria of 50%, or were within plus or minus two times the PQL for values less than five times the PQL concentration.

MS/MSD Results

During the Spring 2016 groundwater sampling event, an MS/MSD sample pair was collected from monitoring well OMW-205. The percent recoveries and RPD values were within the required QC criteria.

During the Fall 2016 groundwater sampling event, an MS/MSD sample pair was collected from monitoring well OMW-214. The percent recoveries and RPD values were within the required QC criteria.