OBG

FINAL REPORT

2015 Annual Groundwater Monitoring Report

Dewey Loeffel Landfill Superfund Site 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 revised Site Characterization Summary Report (SCSR) (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 O'Brien & Gere (OBG) in accordance with the *Design Report/Implementation Plan* (DR/IP) prepared by ARCADIS of New York, 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. While this portion of the DR/IP has not yet been formally approved by USEPA, it was followed during the 2015 events. Additional groundwater monitoring was also conducted as outlined in Appendix H of the DR/IP. Groundwater monitoring activities for the 2015 sampling events are summarized in this report.

In addition to the semi-annual sampling of groundwater monitoring wells, samples were collected in 2015 on a regular basis from the leachate collection tank (LCT) and the three existing extraction wells (designated EW-1 through EW-3). Five new extractions wells (designated EW-4 through EW-8) were brought online in 2015, and these wells were also sampled. Samples were also collected in 2015 from the residential wells equipped with point of use (POU) treatment systems, and also from select residential wells without POU treatment systems. The leachate collection tank, extraction well and residential well sampling was performed by ARCADIS and those results 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 (ft NGVD 29). 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 2015, approximately 158,440 gallons of leachate were removed, bringing the cumulative total volume of leachate removed from the LCT to approximately 6,972,576 gallons.

Approximately 37 leachate samples were collected from the LCT for volatile organic compound (VOC) analysis from 1985 through 2015. 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) and vinyl chloride] and chlorobenzene. Due to the relatively low concentrations of the remaining VOCs detected in samples from the LCT, they have been omitted from 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 79 pounds of VOCs were removed 2015. As of the end of December 2015, a total of approximately 3,380 pounds of VOCs have been removed from the containment system through use of the leachate collection system.

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. These 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 2,130,440 gallons of groundwater were pumped from the extraction wells in 2015. Approximately 8,758,000 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. Extraction well EW-2 has been the dominant pumping well, accounting for approximately 45% of the total cumulative flow from the extraction wells through December 2015. The effective pumping rates in 2015 for EW-1, EW-2 and EW-3, EW-4, EW-5, EW-6, EW-7 and EW-8 were approximately 0.8, 1.3, 1.1, 0.3, 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 three extraction wells on a periodic basis for laboratory analysis for VOCs and other parameters. In 2015, samples were also collected from the five new extraction wells per the Start-Up Plan in Appendix H of the DR/IP. 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 have been omitted from 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 600 pounds of VOCs were removed from the extraction wells in 2015, bringing the total mass of VOCs removed from the extraction wells to approximately 2,260 pounds.

As shown on Table 2-7, CVOCs were the dominant VOCs removed from extraction wells EW-1 and EW-2 in 2015, followed by BTEX and chlorobenzene. TCE is the primary CVOC in both EW-1 and EW-2. These two extraction wells have similar chemical signatures with an average of 79% CVOCs, 19% 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 79% BTEX, 13% CVOCs and 8% chlorobenzene. EW-8 has a slightly different chemical signature, comprised of 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 65% 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 2015 is approximately 1,462 pounds. As shown on Table 2-8, the cumulative mass of VOCs removed from extraction wells EW-1 and EW-3 is approximately 219 and 395 pounds, respectively, which represent 10% and 18% of the cumulative VOC mass removed by the groundwater extraction system. The mass of VOCs removed from the five new extraction wells account for the remaining 7%, which is expected due to the relatively short period of time these wells have been operating.

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) 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.

The suspected discharge zone for the bedrock groundwater south of the Landfill is Valley Stream, located immediately south of Central Nassau Road. Groundwater pumping from extraction wells EW-1 through EW-8, and, to a lesser extent, operation of the residential supply wells, causes localized radial or quasi-radial groundwater flow in the bedrock toward these wells. Groundwater withdrawal from the bedrock may also influence groundwater flow in the overlying unconsolidated materials.

3.1. SEMI-ANNUAL WATER LEVEL MEASUREMENTS

Water level measurements were obtained from 24 monitoring wells outside the Landfill (OMW-101, OMW-102, OMW-103, OMW-107, OMW-108, OMW-201, OMW-202, OMW-204, OMW-205, OMW-206, OMW-211, OMW-212, OMW-213**,** OMW-214, OMW-215, OMW-216, OMW-218, OMW-219, OMW-220, OMW-221, OMW-222, OMW-223, OPZ-207, and OPZ-217) on May 12 and October 8, 2015 and are presented in Tables 3-1 and 3-2, respectively.

Both sets of water level measurements were obtained under pumping conditions, the first set of water level measurements was collected when only the three existing extraction wells were operating, while some of the new extraction wells were also operating when the second set of water level measurements were collected.

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 27, May 12, August 5, and October 8, 2015 and are presented in Appendix A.

3.3. EXTRACTION WELL START-UP HYDRAULIC MONITORING

In accordance with the DR/IP, five new bedrock groundwater extraction wells (designated EW-4 through EW-8) were installed outside the containment system near the southwestern edge of the Landfill. The primary purpose of the five new extraction wells was to supplement the existing groundwater extraction system (EW-1, EW-2, and EW-3) within the bedrock VOC plume. The five new extraction wells were phased into operation, as discussed in the USEPA-approved Start-Up Plan (Appendix H of the DR/IP), in the following sequence:

- EW-8 was placed into routine operation on July 6, 2015;
- EW-5 was placed into routine operation on August 3, 2015;
- EW-4 was placed into routine operation on August 31, 2015;
- EW-6 was placed into routine operation on September 28, 2015; and,
- EW-7 was placed into routine operation on October 26, 2015.

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 (OMW-101, OMW-102, OMW-103, OMW-107, OMW-108, OMW-201, OMW-202, OMW-204, OMW-205, OMW-206, OMW-211, OMW-212, OMW-213**,** OMW-214, OMW-215, OMW-216, OMW-218, OMW-219, OMW-220, OMW-221, OMW-222, OMW-223, OPZ-207, and OPZ-217) and five open, deep bedrock boreholes (EPA-1, EPA-2, EPA-3, EPA-4 and EPA-5) on a monthly basis beginning with the start-up of the new extraction wells in July 2015. Water level measurements will continue to be obtained on a monthly basis for a 12-month period (*i.e.,* through June 2016). Monthly water level measurements obtained from July to December 2015 are presented in Appendix B.1.

In addition, to assess the changes in groundwater elevations associated with the start-up of the new extraction wells, near continuous hydraulic monitoring was performed at each new extraction well and 15 monitoring wells approved by USEPA. Dataloggers and associated pressure transducers were deployed in monitoring wells 14F, DB-7S, DB-7I, DB-8S, DB-8I, OB-3, OMW-201, OMW-202, OMW-204, OMW-205, OMW-206, OMW-213, PB-2, PO-1, and PW-3. A datalogger and associated barometric pressure transducer was also deployed at the Landfill. Manual water level measurements were obtained from each of the 15 monitoring wells on a monthly basis to confirm the accuracy of the transducers installed.

The near continuous hydraulic monitoring was initiated on June 29, 2015 and was completed on December 2, 2015. The results of the near continuous monitoring are presented in Appendices B.2 and B.3.

4. GROUNDWATER MONITORING

4.1. GENERAL

Groundwater samples were obtained on a semi-annual basis in 2015, with sampling events on May 12 through 14, and from October 20 through 26, 2015. 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; groundwater samples were also analyzed for phenolic compounds using USEPA SW-846 Method 8270D during the Fall 2015 sampling event. Pace Analytical Services (Pace) of Schenectady, New York

subcontracted the VOC analysis to their laboratory in Melville, New York for the Spring 2015 groundwater sampling event, while Eurofins Lancaster Laboratories Environmental (ELLE) of Lancaster, Pennsylvania, performed the VOC analyses on the groundwater samples collected during the Fall 2015 event. ALS Environmental (ALS) of Rochester, New York performed the 1,4-dioxane analysis for the Spring 2015 sampling event, while ELLE performed the 1,4-dioxane and phenolic compound analysis for the Fall 2015 groundwater sampling event.

Tables 4-1 and 4-2 detail which monitoring wells were sampled during the 2015 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 2015 sampling events are summarized in Tables 4-3 and 4-4, respectively. 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, EW-2, and EW-3 were sampled five times in 2015. As discussed in Section 3.3, five new extraction wells (EW-4 through EW-8) were brought online in 2015, and these five extraction wells were sampled from three to five times in 2015, depending on the well. The sampling was conducted by ARCADIS and is discussed further in Section 4.5. Table 4-10 summarizes the analytical results of the existing and new extraction well samples. The laboratory reporting sheets are provided in Appendix F.1.

Samples were collected from the leachate collection system five times in 2015. The sampling was conducted by ARCADIS and is discussed in Section 4.6. Table 4-11 summarizes the analytical results of the leachate samples. The laboratory reporting sheets are provided in Appendix F.2.

ARCADIS also collected samples on a quarterly basis in 2015 from the residential POU treatment systems, with the exception of the POU treatment system for New York State Department of Health (NYSDOH) well 24S, which was not used as a supply well in 2015. This POU treatment system was not sampled in the first quarter of 2015, but was sampled in the remaining three quarters (using the sampling procedure 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 4-12 summarizes the results of the influent samples for the residential POU treatment systems.

4.2. GROUNDWATER SAMPLING

Monitoring wells were sampled on May 12 through 14, 2015, and from October 20 through 26, 2015 in accordance with Appendix A of the *Quality Assurance Project Plan* (QAPP) (ARCADIS, 2013). 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 once the field parameters stabilized for three consecutive readings as follows:

- pH within ± 0.1 standard units (SU);
- Specific conductivity within ± 3%;
- ORP within ± 10 millivolts (mV); and,
- DO within ± 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 2015 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 chains-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, 1,4-dioxane and phenolic compounds 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 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 2015, 100% of the data were determined to be usable for qualitative and quantitative purposes based on the data quality review. Approximately 3% of the Spring 2015 data and 2% of the Fall 2015 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 and analyzed for VOCs from five monitoring wells as part of the Spring sampling event, and were collected and analyzed for VOCs from 20 monitoring wells as part of the Fall sampling event. Samples from four monitoring wells (*i.e.*, OMW-102, OMW-201, OMW-205 and OMW-215) were analyzed for 1,4-dioxane during the Spring sampling event, and samples from 12 monitoring wells (*i.e.*, OMW-102, OMW-107, OMW-108, OMW-201, OMW-205, OMW-206, OMW-214, OMW-215, OMW-216, OMW-221, OMW-222 and OPZ-207) were analyzed for 1,4-dioxane during the Fall sampling event. Samples from three monitoring wells (*i.e.* OMW-102, OMW-201 and OMW-215) were analyzed for phenolic compounds during the Fall sampling event.

Four monitoring wells included in the groundwater monitoring program could not be sampled during the Spring and/or Fall 2015 groundwater sampling events. Overburden monitoring well OMW-211 and bedrock monitoring well 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 likely damaged (*i.e.* suspected bedrock collapse). Monitoring well OMW-213, a bedrock monitoring well located outside the Landfill in the vicinity of extraction wells EW-3 and EW-5, was sampled during the Spring 2015 groundwater sampling event but was dry at the time of sampling during the Fall 2015 event. 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) and no samples can be collected from this location.

4.4.1. Volatile Organic Compound Analyses

The detected VOCs for the Spring and Fall 2015 groundwater sampling events are summarized on Tables 4-5 and 4-7, respectively. Monitoring wells OMW-101 and OMW-107 are overburden wells, while the remaining monitoring wells are bedrock wells.

Trend graphs showing the historical concentrations of BTEX, CVOCs and chlorobenzene in monitoring wells OMW-101 and OMW-107 are presented on Figures 4-1 and 4-2, respectively. Monitoring well OMW-101 is located outside the Landfill at the middle of the southwestern edge, while monitoring well OMW-107 is located north of Mead Road along the western portion of the northern edge of the Landfill. As shown on Figure 4-1, BTEX, CVOCs and chlorobenzene were not detected in monitoring well OMW-101 in 2015, which is consistent with previous results. Consistent with historical results (Figure 4-2), chlorobenzene was detected in monitoring well OMW-107 during the Fall 2015 groundwater sampling event at an estimated concentration of 0.6 µg/L.

The discussion below focuses on bedrock groundwater quality, and is broken into three sections: BTEX, CVOCs and chlorobenzene. Monitoring wells OMW-108, OMW-206 and OPZ-217, located to the north of the Landfill, monitoring well OMW-103, located to the south of the Landfill, and monitoring wells OMW-222 and OMW-223, located along Central Nassau Road, did not have detected concentrations of BTEX, CVOCs or chlorobenzene in 2015, which is consistent with recent and/or historical results. These six 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 27,831 µg/L from OMW-201, a shallow bedrock well located outside the Landfill near the middle of the southwestern edge. The majority of the BTEX detected in 2015 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-213 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.

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 in 2015. Ethylbenzene has been detected sporadically in monitoring wells OMW-215 and OMW-102 as shown on Figure 4-4. m&p- and o-Xylenes have not been detected in wells OMW-102, OMW-213 and OMW-205 within the past ten years.

Consistent with recent results, monitoring wells OMW-220 (located north of Mead Road), OMW-212 (located outside the Landfill at the middle of the southwestern edge) and OMW-214 and OMW-221 (located to the south of Central Nassau Road) did not have detected concentrations of BTEX in 2015.

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-213 at a concentration of 134 µg/L. Concentrations of CVOCs are generally comprised 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 five years in monitoring well OMW-213, 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 was not detected in 2014 and 2015. 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 detected consistently at concentrations near 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-202, OMW-212, OMW-215, OMW-218 and OPZ-207 (located to the west and southwest of the Landfill), monitoring well OMW-220 (located to the north of Mead Road) and monitoring well OMW-214 (located to the south of the Landfill), did not have detected concentrations of CVOCs in 2015, 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-213; 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 (*i.e.* in monitoring well OMW-205, with detected concentrations exceeding 100 µg/L), than in the deeper portions of the bedrock (*i.e.,* 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, OMW-218 and OPZ-207, located outside the Landfill to the west, did not have detected concentrations of chlorobenzene in 2015. Also, monitoring well OMW-221, located to the south, did not have detected concentrations of chlorobenzene in 2015, 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 2015 groundwater sampling event and 12 bedrock monitoring wells during the Fall 2015 event. The detected concentrations are summarized on Tables 4-6 and 4-8, respectively. 1,4-dioxane was detected at concentrations ranging from an estimated 0.10 µg/L at monitoring well OMW-108 (a shallow bedrock well located north of Mead Road along the western portion of the northern edge of the Landfill) to 520 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 2015 groundwater sampling events are consistent with those detected in previous years, as shown on the trend graph included on Figure 4-15.

4.4.3 Phenolic Compound Analyses

Groundwater samples were collected and analyzed for phenolic compounds from three bedrock monitoring wells during the Fall 2015 groundwater sampling event. The detected concentrations are summarized on Table 4-9. Consistent with recent results, phenolic compounds were not detected in monitoring well OMW-102, a shallow bedrock well located outside the Landfill along the middle of the southwestern edge. Consistent with historical results, phenolic compounds (*i.e.* 2,4-dimethylphenol, 2-chlorophenol, 2-methylphenol, 3,4-methylphenol and phenol) were detected in monitoring well OMW-201 and its blind duplicate sample; monitoring well OMW-201 is located outside the Landfill along the middle of the southwestern edge. Most of the phenolic compounds detected in monitoring well OMW-201 and its blind duplicate sample were below 10 µg/L; only 2,4-dimethylphenol was detected above 10 µg/L at estimated concentrations of 32 and 22 µg/L in the samples collected from OMW-201 and its blind duplicate sample, respectively.

Phenol was detected in deep bedrock monitoring well OMW-215, located west of the Landfill, at 1 µg/L. This was the only phenolic compound detected at this location and is consistent with sporadic detections in the past.

4.5. EXTRACTION WELL WATER QUALITY

Groundwater samples were collected from the three existing extraction wells (EW-1, EW-2, and EW-3) on January 14, February 11, May 6, August 12 and November 18, 2015 by ARCADIS. In accordance with Appendix H of the DR/IP, the five new extraction wells (EW 4-, EW-5, EW-6, EW-7 and EW-8) were sampled in June 2015 after each well was operated for several hours as part of the extraction well testing. Later, once each extraction well was placed into routine operation, samples were collected monthly for three months, and then quarterly thereafter. Section 3.3 details the date each extraction well was placed into routine operation. Specific sampling dates are provided below, ordered by date of routine operation start-up:

- Extraction well EW-8 was sampled on June 17, July 8, August 12, September 16 and November 18, 2015;
- Extraction well EW-5 was sampled on June 19, August 12, September 16, October 21 and November 18, 2015;
- Extraction well EW-4 was sampled on June 18, September 16, October 21 and November 18, 2015;
- Extraction well EW-6 was sampled on June 15, October 21, November 18 and December 9, 2015; and,
- Extraction well EW-7 was sampled on June 16, November 18 and December 9, 2015.

The extraction well samples were analyzed for VOCs using USEPA SW-824 Method 8260C, SVOCs using USEPA Method 8270D, 1,4-dioxane using USEPA 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 May 6, August 12 and November 18, 2015 were analyzed for TAL mercury using USEPA SW-846 Method 7470A. The samples collected on January 14 and February 11, 2015 and analyzed for VOCs, SVOCs, PCBs and TAL metals were submitted to and analyzed by Pace in Schenectady New York. The samples collected from May 6 through the end of 2015 and analyzed for VOCs, SVOCs, PCBs and TAL metals (including mercury) were submitted to Pace in Schenectady, New York and were subcontracted to Pace's lab in Melville, New York. The samples collected in 2015 for 1,4-dioxane analysis were submitted to Pace in Schenectady, New York and subcontracted to ALS in Rochester, New York. The blind duplicate samples submitted with the February 11, May 6, August 12 and November 18, 2015 samples were collected from the following extraction wells:

- EW-2, on February 11, 2015;
- EW-1, on May 6, 2015;
- EW-5, on August 12, 2015; and,
- EW-4, on November 18, 2015.

With one exception, the blind duplicate samples were analyzed for VOCs, SVOCs, 1,4-dioxane, PCBs and TAL metals during each of the four sampling events; a blind duplicate sample was not collected for TAL mercury

analysis on February 11, 2015. The results of the 2015 extraction well sampling events are summarized on Table 4-10.

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, EW-7 and EW-8. Chlorobenzene, cis-1,2-DCE, total xylenes, and to a lesser extent TCE, are the secondary compounds detected in these wells. 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, 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, most likely due to their proximity to the Landfill. Also, 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, as shown in Figures 4-17 and 4-18. The concentrations in the five new extraction wells (EW-4 through EW-8) are shown in Figures 4-19 through 4-23, although these wells were not placed into operation until 2015.

4.5.2. 1,4-Dioxane Analyses

A trend graph showing the concentrations of 1,4-dioxane in the extraction wells EW-1 through EW-8 is provided in Figure 4-25. As shown on Figure 4-25 and Table 4-10, the eight extraction wells were sampled for 1,4-dioxane up to five times in 2015. 1,4-Dioxane concentrations detected in the extraction wells ranged from 4.6 µg/L in extraction well EW-1 (located farthest from the Landfill) to 960 µg/L in extraction well EW-6 (one of the three extraction wells located closest to the Landfill). 1,4-Dioxane was detected at an anomalously low, estimated concentration of 0.042 µg/L in extraction well EW-5 in the sample collected on September 16, 2015 relative to the results obtained for the prior and subsequent samples from this well.

As shown on Figure 4-14, the maximum concentrations of 1,4-dioxane are generally higher in the extraction wells than in most other wells. Among the extraction wells, 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 2015 were consistent with historical results, with the exception of the low-level detection detected in extraction well EW-5 discussed above.

4.5.3. Semi-Volatile Organic Analyses

As shown on Table 4-10, the eight extraction wells were sampled for SVOCs up to five times in 2015. 2,4-Dimethylphenol, 2-methylphenol, 3,4-methylphenol and phenol were detected in each of the eight extraction wells. 3,4-Methylphenol was the SVOC detected at the highest concentration, up to 2,300 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 naphthalene and 2-chlorophenol. 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 4-10, and consistent with prior data, PCBs were not detected in the samples collected from the eight extraction wells in 2015.

4.6. LEACHATE COLLECTION SYSTEM MONITORING RESULTS

The leachate in the LCT was sampled five times in 2015, on January 14, February 11, May 6, August 12 and November 18, 2015. The leachate samples were analyzed for VOCs using USEPA SW-824 Method 8260C, SVOCs using USEPA Method 8270D, 1,4-dioxane using USEPA Method 8270D SIM, PCBs using USEPA SW-846 Method 8082A, and TAL metals analysis using USEPA SW-846 Method 6010C. In addition, the samples collected on May 6, August 12 and November 18, 2015 were analyzed for TAL mercury using USEPA SW-846 Method 7470A. The samples collected on January 14 and February 11, 2015 and analyzed for VOCs, SVOCs, PCBs and TAL metals were submitted to and analyzed by Pace in Schenectady New York. The samples collected on May 6 through the end of 2015 and analyzed for VOCs, SVOCs, PCBs and TAL metals (including mercury) were submitted to Pace in Schenectady, New York and were subcontracted to Pace's lab in Melville, New York. The samples collected in 2015 for 1,4-dioxane were submitted to Pace in Schenectady, New York and subcontracted to ALS in Rochester, New York. A blind duplicate sample was also collected from the LCT on January 14 for VOCs, SVOCs, 1,4-dioxane, PCBs and TAL metals. The results of the leachate collection system sampling are summarized in Table 4-11.

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 the primary VOCs detected in the samples collected from the LCT in 2015. Toluene was detected at concentrations ranging from 21,000 to 30,000 µg/L, while benzene was detected at concentrations ranging from 14,000 µg/L to 18,000 µg/L. Chlorobenzene was detected at concentrations ranging from 6,290 to 10,100 µg/L. Cis-1,2-DCE was the dominant CVOC detected in the samples from the LCT, at concentrations ranging from 2,270 to 5,100 µg/L.

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 4-11. 1,4-Dioxane was detected in the LCT samples at concentrations ranging between 680 and 820 µg/L. As shown on Figure 4-25, the 1,4-dioxane concentrations detected in the LCT samples collected in 2015 are generally consistent with previous sample results.

4.6.3. Semi-Volatile Organic Analyses

As shown on Table 4-11, phenolic compounds (namely 2,4-dimethylphenol, 2-methylphenol, 3,4-methylphenol and phenol) were the dominant SVOCs detected in the samples from the LCT in 2015. The SVOC with the highest concentration was consistently 3,4-methylphenol, ranging from 460 to 710 µg/L. 2,4-Dimethylphenol concentrations ranged from an estimated 160 to 240 µg/L, and 2-methylphenol concentrations ranged from 36.0 to 55 µg/L. Phenol concentrations ranged from an estimated 5.68 to 24 µg/L. Diethylphthalate, di-n-butylphthalate and naphthalene were also detected at low concentrations in 2015.

4.6.4. PCB Analyses

As shown on Table 4-11, PCBs were detected in the samples collected from the LCT in each of the five sampling events in 2015. Aroclor 1254 and Aroclor 1260 were detected during each sampling event at the highest concentrations, ranging from 0.106 to 0.179 µg/L of Aroclor 1254 and 0.0848 to 0.410 µg/L of Aroclor 1260. Aroclor 1242 and Aroclor 1248 were detected during the February 11 and August 12, 2015 sampling events, respectively.

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 27 residential wells (22 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 two additional wells that were installed at new residences in 2012 and 2014; these two newer residential wells have been designated as NYSDOH well 32 and NYSDOH well 33, respectively.

Currently, nine of the 22 residential wells without POU treatment systems are sampled semi-annually, eight are located on Central Nassau Road near the intersection of Curtis Hill Road, and one is located west of the Landfill along Mead Road. All nine of the residences with supply wells that are sampled on a semi-annual basis are provided with bottled water. Six of the 22 residential wells without POU treatment systems are sampled annually (including the new supply well installed in 2014) and the remaining seven residential wells without POU treatment systems are sampled biennially.

As stated above, the five residential wells (located on four properties) with POU treatment systems were sampled on a quarterly basis, with one exception. NYSDOH well 24S was not used in 2015, and the well pump was inoperative during the first quarter sampling event. The well pump was subsequently replaced and samples were collected during the second, third and fourth quarters of 2015 in accordance with the sampling procedure in Attachment A of Appendix J of the DR/IP.

As stated above, bottled water is being provided to the four properties with operating POU treatment systems and also to the properties with residential wells without POU treatment systems that are being sampled semi-annually. 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.

With the exception of NYSDOH well 24S, which was not sampled during the first quarter of 2015, samples were collected from the residential wells with POU treatment systems for laboratory analysis for VOCs on February 19, May 26, August 19 and November 11, 2015, and samples were collected for laboratory analysis of 1,4-dioxane on May 26 and November 11, 2015. 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 Middletown, Pennsylvania for the samples collected on May 26, 2015, and ALS in Rochester, New York for the remaining samples collected in 2015. 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 2015 sampling of the residential wells with POU treatment systems are summarized in Table 4-12.

Nine of the 22 residential wells without POU treatment systems were sampled on May 26 and 27, 2015, which included all of the wells scheduled to be sampled on a semi-annual basis. The second semi-annual residential well sampling event was completed on October 27, 2015. This sampling event included all nine of the residential wells scheduled to be sampled on a semi-annual basis, all six of the wells scheduled to be sampled on an annual basis (including NYSDOH well 33) and five of the residential wells scheduled to be sampled on a biennial basis. Two residential wells scheduled to be sampled on a biennial basis were not sampled in 2015; access was denied to the property with NYSDOH well 6, and the residents who live on the property with NYSDOH 11 were unavailable for the sampling event because they were out of town for an extended period of time. All of the residential well samples were sent to Pace and subcontracted to ALS for VOC analysis by USEPA Method 524.2; the samples collected from the nine residential wells sampled semi-annually were also analyzed for 1,4-dioxane by USEPA SW-846 Method 8270D SIM. The laboratory results, 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, with two exceptions, 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. NYSDOH well 21 had an anomalous detection of TCE in the sample collected on May 27, 2015 at an estimated concentration of 0.28 µg/L, while NYSDOH well 27 had an anomalous detection of toluene in the sample collected on October 27, 2015 at a concentration of 0.80 µg/L. VOCs were also not detected in the residential wells located on Nassau Averill Park Road. NYSDOH well 3, located along Mead Road to the west of the Landfill, had an anomalous detection of TCE at an estimated concentration of 0.34 µg/L in the sample collected on May 27, 2015; consistent with historical results, TCE was not detected in the sample collected from NYSDOH well 3 on October 27, 2015. The estimated concentrations of TCE and concentration of toluene are below the state drinking water standards of 5 and 5 µg/L, respectively.

As shown on Table 4-12 and Figure 4-26, chlorobenzene was the only VOC of the nine dominant VOCs at the Site consistently detected in NYSDOH well 1 during the 2015 sampling events, at a maximum concentration of 1.5 µg/L, which is below the state drinking water standard of 5 µg/L. Benzene was detected in NYSDOH well 1 during the second quarterly sampling event at an estimated concentration of 0.12 µg/L, which is below the PQL of 0.5 µg/L and the state drinking water standard 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-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, then 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. The maximum concentration of TCE in 2015 was 139 µg/L, which was detected during the second quarterly sampling event; the maximum benzene and cis-1,2-DCE concentrations detected in 2015 were 8.0 and 6.5 µg/L, respectively. The concentrations of TCE, benzene and cis-1,2-DCE were considerably lower in the first, third and fourth quarterly sampling events, with the benzene and cis-1,2-DCE concentrations below the state drinking water standards of 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, as shallow bedrock groundwater with higher concentrations was pulled downward. 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.

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 2015 was 26.6 µg/L, which was detected during the second quarterly sampling event. Benzene and cis-1,2-DCE were also detected in 2015, at maximum concentrations of 1.9 µg/L and 1.4 µg/L, respectively, also during the second quarterly sampling event. The benzene and cis-1,2-DCE detections are below the state drinking water standards of 5 µg/L and 5 µg/L, respectively.

4.7.2. 1,4-Dioxane Analyses

In 2015, the residential wells located at the four properties with POU treatment systems had detections of 1,4-dioxane at concentrations ranging from an estimated 0.022 to 1.0 µg/L. As shown on Figure 4-14, 1,4-dioxane was not detected in the residential wells without POU treatment systems that were sampled in 2015 with five exceptions. The five exceptions were NYSDOH wells 3, 19, 20, 21 and 32. The concentrations of 1,4-dioxane in NYSDOH well 3 ranged from 0.44 to 0.69 µg/L; this residential well is sampled semi-annually and bottled water is provided. The concentrations of 1,4-dioxane in NYSDOH wells 19, 20, 21 and 22 ranged from not detected to an estimated 0.073 µg/L.

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 and discharged to the Valatie Kill. Approximately 158,440 gallons of leachate were removed from the LCT in 2015, and approximately 6,972,576 gallons of leachate have been removed from the LCT from 1991 through December 2015. As of the end of December 2015, a total of approximately 3,380 pounds of VOCs have been removed from the containment system through use of the LCT. In 2015, approximately 79 pounds of VOCs were removed from 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. Operation of the leachate collection system continues in 2016, and the leachate is treated in the on-site treatment system located immediately west of the Landfill.

The three existing 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 2,130,440 gallons of groundwater were pumped from the extraction wells in 2015, and more than 8,758,000 gallons of groundwater were extracted from 2008 through December 2015. Approximately 600 pounds of VOCs were removed from the extraction wells in 2015, bringing the total mass of VOCs removed from the extraction wells to approximately 2,260 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 a year. Operation of the eight extraction wells continues in 2016, and the groundwater is treated in the on-site treatment system.

As shown on Figures 4-3, 4-9 and 4-12, no VOCs were detected in monitoring wells located north of the Landfill at concentrations above their state groundwater standards. As also shown, VOC 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, total VOC concentrations are in excess of 5 µg/L (before treatment) in each of the four residential wells with POU treatment systems.

As also shown on Figures 4-3, 4-9 and 4-12, with the exception of NYSDOH wells 21 and 27, no VOCs were detected in residential wells or monitoring wells located along Central Nassau Road east of deep open bedrock borehole EPA-5 or west of the intersection of Central Nassau and Curtis Hill Roads. TCE was detected in NYSDOH well 21, while toluene was detected in NYSDOH well 27; both were anomalous low-level detections. In addition, no VOCs were detected in residential wells located on Nassau Averill Park Road. An anomalous detection of TCE was reported in NYSDOH well 3, located on Mead Road to the west of the Landfill, during the first of two sampling events in 2015.

Based on the results of the Spring and Fall 2015 groundwater sampling events, along with the results from the LCT, extraction well and POU treatment system sampling, the following additional 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;
- 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 and the leachate from the LCT in 2015 at low concentrations; and,
- PCBs were not detected in the individual extraction well samples in 2015, but were detected at low concentrations in the leachate from the LCT located inside the containment system.

As confirmed by the Spring and Fall 2015 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.

Per Attachment B of Appendix J of the DR/IP, semi-annual groundwater monitoring activities will continue to be performed in 2016. Specifically, groundwater elevation monitoring will be performed at 24 monitoring wells located outside of the Landfill's perimeter fence, and also the five open deep bedrock boreholes. In addition, groundwater sampling and analysis for VOCs and 1,4-dioxane will be performed in 2016 in accordance with the sampling plan presented in Table 2 of Attachment B of Appendix J of the DR/IP.

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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

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

Year	Leachate		EW-1		EW-2		EW-3		EW-4		EW-5		EW-6		EW-7		EW-8		Calculated Total Gallons
	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	Gallons	%	
1991	39,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39,540
1992	199,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	199,540
1993	319,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319,540
1994	319,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319,540
1995	444,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	444,540
1996	674,540	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	674,540
1997	947,344	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	947,344
1998	1,295,313	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,295,313
1999	1,714,813	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,714,813
2000	2,154,843	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,154,843
2001	2,504,959	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,504,959
2002	2,912,271	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,912,271
2003	3,288,190	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,288,190
2004	3,580,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,580,708
2005	3,765,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,765,708
2006	4,225,708	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,225,708
2007	4,565,408	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,565,408
2008	5,065,898	96	6,876	0	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

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

Year	Parameters									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	%	
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	21.51	34.64	0.87	0.82	3.76	0.02	4.82	2.52	10.34	61.60	77.68	7.36	9.28	79.31

Notes:

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

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

Year	Parameters									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	%	
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	952.87	1657.69	6.00	6.02	174.67	0.02	150.16	35.64	398.33	2797.24	82.72	185.82	5.50	3381.39

Notes:

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

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

Year	Parameters									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	2.31	1.41	0.05	0.06	0.06	24.25	1.96	0.04	0.42	3.88	12.71	26.25	85.92	30.55
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	23.32	38.58	1.46	1.77	3.13	169.18	30.96	1.46	6.41	68.27	24.71	201.60	72.97	276.28
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	48.37	43.02	0.59	0.72	2.21	2.68	7.48	1.73	7.83	94.91	82.79	11.89	10.38	114.64

Notes:

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

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

Year	Parameters									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	13.92	11.72	0.21	0.24	0.77	0.65	2.87	0.71	2.29	26.86	80.44	4.24	12.69	33.40
EW-5														
2015	19.85	7.67	0.13	0.17	0.47	0.83	5.57	0.71	3.58	28.30	72.58	7.11	18.23	38.99
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
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
EW-8														
2015	1.87	0.28	0.00	0.00	0.02	0.00	0.00	0.00	0.11	2.18	94.83	0.01	0.48	2.30

Notes:

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

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

Year	Parameters									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	17.78	10.38	0.09	0.11	0.09	177.43	10.89	0.07	1.94	28.44	13.00	188.39	86.11	218.78
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	134.14	174.31	2.05	2.60	6.06	1014.84	112.14	1.81	14.59	319.16	21.82	1128.79	77.18	1462.55
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	175.08	147.05	0.84	1.51	6.51	11.95	21.55	3.26	27.70	330.99	83.70	36.77	9.30	395.47

Notes:

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

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

Year	Parameters									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	13.92	11.72	0.21	0.24	0.77	0.65	2.87	0.71	2.29	26.86	80.44	4.24	12.69	33.40
EW-5														
2015	19.85	7.67	0.13	0.17	0.47	0.83	5.57	0.71	3.58	28.30	72.58	7.11	18.23	38.99
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
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
EW-8														
2015	1.87	0.28	0.00	0.00	0.02	0.00	0.00	0.00	0.11	2.18	94.83	0.01	0.48	2.30

Notes:

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

Table 2-7
Annual Mass of VOCs Removed from Groundwater Extraction System in 2015
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	3.88	12.71	26.25	85.92	0.42	1.37	30.55
EW-2	68.27	24.71	201.60	72.97	6.41	2.32	276.28
EW-3	94.91	82.79	11.89	10.38	7.83	6.83	114.64
EW-4	26.86	80.44	4.24	12.69	2.29	6.87	33.40
EW-5	28.30	72.58	7.11	18.23	3.58	9.19	38.99
EW-6	60.39	77.87	11.22	14.46	5.94	7.66	77.55
EW-7	25.27	83.08	2.80	9.21	2.34	7.71	30.41
EW-8	2.18	94.83	0.01	0.48	0.11	4.70	2.30

Notes:

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

Table 2-8
Cumulative Mass of VOCs Removed from Groundwater Extraction System
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	28.44	13.00	188.39	86.11	1.94	0.89	218.78
EW-2	319.16	21.82	1128.79	77.18	14.59	1.00	1462.55
EW-3	330.99	83.70	36.77	9.30	27.70	7.01	395.47
EW-4	26.86	80.44	4.24	12.69	2.29	6.87	33.40
EW-5	28.30	72.58	7.11	18.23	3.58	9.19	38.99
EW-6	60.39	77.87	11.22	14.46	5.94	7.66	77.55
EW-7	25.27	83.08	2.80	9.21	2.34	7.71	30.41
EW-8	2.18	94.83	0.01	0.48	0.11	4.70	2.30

Notes:

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

Table 3-1
Water Level Measurements - May 12, 2015
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	640.56	638.2	38.22	602.34
OMW-102	Bedrock	639.94	637.5	37.71	602.23
OMW-103	Bedrock	644.82	642.9	9.04	635.78
OMW-107	Overburden	626.39	624.1	4.19	622.20
OMW-108	Bedrock	625.96	625.0	21.45	604.51
OMW-201	Bedrock	640.15	637.9	37.91	602.24
OMW-202	Bedrock	656.23$	654.4$	63.98	592.25$
OMW-204	Bedrock	650.29	648.5	Dry	NA
OMW-205	Bedrock	651.98	650.1	30.81	621.17
OMW-206	Bedrock	618.96	616.7	20.98	597.98
OMW-211	Overburden	651.67	649.1	Dry	NA
OMW-212	Bedrock	654.99$	652.6$	58.92	596.07$
OMW-213	Bedrock	668.97	667.1	75.89	593.08
OMW-214	Bedrock	657.80	655.5	39.48	618.32
OMW-215	Bedrock	657.05$	654.8$	62.97	594.08$
OMW-216	Bedrock	659.18	657.6	47.61	611.57
OMW-218	Bedrock	654.18$	651.5$	58.01	596.17$
OMW-219	Bedrock	667.57	665.6	71.28	596.29
OMW-220	Bedrock	637.31	635.5	28.81	608.50
OMW-221*	Bedrock	593.22	592.0	8.75	601.97
OMW-222	Bedrock	601.45	598.6	24.83	576.62
OMW-223	Bedrock	596.16	593.9	11.20	584.96
OPZ-207	Bedrock	649.59	648.3	49.05	600.54
OPZ-217	Bedrock	666.53	664.7	17.52	649.01
EPA-1	Bedrock	669.59$	667.4$	74.25	595.34$
EPA-2	Bedrock	620.99$	618.6$	15.92	605.07$
EPA-3	Bedrock	688.39$	685.5$	93.45	594.94$
EPA-4	Bedrock	690.39$	688.2$	95.81	594.58$
EPA-5	Bedrock	628.51$	625.3$	7.15	621.36$

Notes:

1. Elevations are in feet referenced to North American Vertical Datum of 1929 based on review of available data provided by GeoTrans, Inc. "$" indicates elevations 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. Formation collapse suspected in OMW-204 and OMW-219, however water levels still able to be collected when applicable.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Table 3-2
Water Level Measurements - October 8, 2015
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	50.31	589.28
OMW-102	Bedrock	639.14	636.5	50.19	588.95
OMW-103	Bedrock	643.76	642.3	9.11	634.65
OMW-107	Overburden	625.51	623.2	4.38	621.13
OMW-108	Bedrock	625.08	623.2	28.66	596.42
OMW-201	Bedrock	639.17	636.9	50.25	588.92
OMW-202	Bedrock	656.23	654.4	79.92	576.31
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.41	619.57
OMW-206	Bedrock	618.01	615.9	25.10	592.91
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	64.43	590.56
OMW-213	Bedrock	668.04	665.9	83.52	584.52
OMW-214	Bedrock	655.83	655.1	41.59	614.24
OMW-215	Bedrock	657.05	654.8	75.67	581.38
OMW-216	Bedrock	658.15	656.7	48.59	609.56
OMW-218	Bedrock	654.18	651.5	63.57	590.61
OMW-219	Bedrock	666.38	664.3	71.21	595.17
OMW-220	Bedrock	636.34	634.1	38.02	598.32
OMW-221*	Bedrock	592.25	591.1	7.08	599.33
OMW-222	Bedrock	599.65	597.7	27.41	572.24
OMW-223	Bedrock	595.21	593.1	11.95	583.26
OPZ-207	Bedrock	648.60	647.4	56.79	591.81
OPZ-217	Bedrock	665.63	663.8	21.29	644.34
EPA-1	Bedrock	669.59	667.4	81.96	587.63
EPA-2	Bedrock	620.99	618.6	16.69	604.30
EPA-3	Bedrock	688.39	685.5	101.28	587.11
EPA-4	Bedrock	690.39	688.2	99.30	591.09
EPA-5	Bedrock	628.51	625.3	7.35	621.16

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. Formation collapse suspected in OMW-204 and OMW-219, however water levels still able to be collected when applicable.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Table 4-1
Spring 2015 Groundwater Sampling
Dewey Loeffel Landfill Superfund Site
Nassau, New York

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

Notes:

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

Table 4-2
Fall 2015 Groundwater Sampling
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	VOCs (USEPA 8260C)	1,4-Dioxane (USEPA 8270D)	Phenols (USEPA 8270D)
OMW-101	X		
OMW-102	X	X	X
OMW-103	X		
OMW-107	X	X	
OMW-108	X	X	
OMW-201	X	X[B]	X[A]
OMW-202	X[A]		
OMW-204	X[C]		X[C]
OMW-205	X[A]	X	
OMW-206	X	X	
OMW-211	X[C]		
OMW-212	X[B]		
OMW-213	X[C]		
OMW-214	X	X	
OMW-215	X	X[A]	X[B]
OMW-216	X[B]	X	
OMW-218	X		
OMW-219	X[D]	X[D]	X[D]
OMW-220	X		
OMW-221	X	X	
OMW-222	X	X	
OMW-223	X		
OPZ-207	X	X	
OPZ-217	X		

Notes:

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

Table 4-3
Summary of Spring 2015 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	13-May-15	11.98	7.78	341.4	-229.6	0.10	7.21
OMW-201	13-May-15	11.11	7.08	1,520.4	-115.1	1.04	2.39
OMW-204	NA	NM	NM	NM	NM	NM	NM
OMW-205	12-May-15	13.10	7.62	369.9	-106.7	0.12	13.90
OMW-211	NA	NM	NM	NM	NM	NM	NM
OMW-213	14-May-15	11.26	7.37	857.7	-16.5	2.10	4.83
OMW-215	13-May-15	10.43	9.15	640.8	-54.5	0.08	1.20
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 2015 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	26-Oct-15	9.98	7.96	652.1	-122.6	0.45	4.80
OMW-102	26-Oct-15	10.24	8.17	347.3	-291.1	0.00	8.60
OMW-103	23-Oct-15	11.44	6.34	60.7	75.0	1.11	6.30
OMW-107	20-Oct-15	14.33	6.63	261.7	-1.9	0.00	0.90
OMW-108	20-Oct-15	10.48	8.70	562.8	36.1	0.05	7.84
OMW-201	26-Oct-15	10.28	7.53	1,684.4	-172.4	0.00	7.24
OMW-202	21-Oct-15	10.11	8.28	578.8	-96.0	0.17	5.17
OMW-204	NA	NM	NM	NM	NM	NM	NM
OMW-205	21-Oct-15	9.68	7.85	401.0	-203.8	0.00	3.20
OMW-206	20-Oct-15	11.04	8.54	208.1	-185.2	0.10	13.50
OMW-211	NA	NM	NM	NM	NM	NM	NM
OMW-212	21-Oct-15	10.85	10.45	168.2	-31.5	10.36*	3.40
OMW-213	NA	NM	NM	NM	NM	NM	NM
OMW-214	23-Oct-15	9.31	10.84	604.6	-42.1	0.75	24.00
OMW-215	21-Oct-15	11.04	9.29	659.1	-55.7	0.13	9.13
OMW-216	23-Oct-15	9.59	7.88	509.7	-115.8	0.06	2.20
OMW-218	21-Oct-15	11.08	9.51	435.8	12.5	0.07	1.90
OMW-219	NA	NM	NM	NM	NM	NM	NM
OMW-220	22-Oct-15	10.29	9.16	282.7	-4.2	0.04	5.49
OMW-221	22-Oct-15	11.01	7.93	430.4	-81.8	0.00	2.20
OMW-222	22-Oct-15	10.62	7.97	250.9	-14.9	0.75	0.03
OMW-223	22-Oct-15	11.91	8.77	440.4	26.4	0.11	0.30
OPZ-207	23-Oct-15	9.55	9.00	463.3	-18.0	0.50	11.10
OPZ-217	20-Oct-15	11.45	7.60	394.3	-88.3	0.04	0.70

Notes:
1. "°C" designates degrees Celsius.
2. "µS/cm" designates microsiemens per centimeter.
3. "ORP" designates oxidation-reduction potential.
4. "mV" designates millivolts.
5. "mg/L" designates milligrams per liter.
6. "NTU" designates nephelometric turbidity units.
7. Results reflect final reading at the end of purging.
8. "NA" designates not applicable.
9. "NM" designates not measured.
10. "*" indicates anomalous reading due to air bubbles in the sampling line. Last representative reading taken during purging was 0.51.

Table 4-5
VOCs Detected in Spring 2015 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID Sample ID Sample Date	OMW-102 OMW-102-051315 5/13/2015	OMW-102 DUP-001-051315 5/13/2015	OMW-201 OMW-201-051315 5/13/2015	OMW-205 OMW-205-051215 5/12/2015	OMW-213 OMW-213-051415 5/14/2015	OMW-215 OMW-215-051315 5/13/2015
1,1-Dichloroethane		---	---	1	---	2	1
1,1-Dichloroethene		---	---	---	---	1	---
1,2-Dichloroethane		---	---	---	---	7	---
4-Methyl-2-pentanone		---	---	10	---	---	---
Acetone		6	6	8	---	---	---
Benzene		200	200	27,000	1	2	290
Chlorobenzene		4	4	2,300	53	7	8
Chloroethane		---	---	33	---	---	---
Chloroform		---	---	---	---	9	---
cis-1,2-Dichloroethene		---	---	---	3	34	---
Ethylbenzene		---	---	120	---	---	---
m,p-Xylene		---	---	190	---	---	---
o-Xylene		---	---	21	---	---	---
Toluene		---	---	500	---	---	9
trans-1,2-Dichloroethene		---	---	3	---	---	---
Trichloroethene		---	---	---	---	100	---
Vinyl chloride		---	---	2	---	---	---

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 2015.

Table 4-6
1,4-Dioxane Detected in Spring 2015 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID Sample ID Sample Date	OMW-102 OMW-102-051315 5/13/2015	OMW-201 OMW-201-051315 5/13/2015	OMW-205 OMW-205-051215 5/12/2015	OMW-215 OMW-215-051315 5/13/2015	OMW-215 DUP-002-051315 5/13/2015
1,4-Dioxane		4.0	15	10	15	15

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 by ALS Environmental in Rochester, New York.

Table 4-7
VOCs Detected in Fall 2015 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID / Sample ID / Sample Date	OMW-102 / MW-B-OMW-102-10262015 / 10/26/2015	OMW-201 / MW-B-OMW-201-10262015 / 10/26/2015	OMW-202 / MW-B-OMW-202-10212015 / 10/21/2015	OMW-202 / DUP-002-10212015 / 10/21/2015
1,1-Dichloroethane		---	---	---	---
1,2-Dichloroethane		---	---	---	---
1,4-Dichlorobenzene		---	---	---	---
Acetone		---	---	---	---
Benzene		83	14,000	2	2
Carbon disulfide		---	---	---	---
Chlorobenzene		2	1,200	---	---
Chloroethane		---	13	---	---
cis-1,2-Dichloroethene		---	---	---	---
Ethylbenzene		---	57	---	---
m,p-Xylene		---	74	---	---
o-Xylene		---	14	---	---
Toluene		---	120	---	---
Trichloroethene		---	---	---	---
Vinyl Chloride		---	---	---	---

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Eurofins Lancaster Laboratories in Lancaster, PA.
4. "---" designates compound was not detected in that monitoring well in October 2015.
5. "J" designates that the detected concentration is considered an estimated value.

Table 4-7
VOCs Detected in Fall 2015 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID / Sample ID / Sample Date	OMW-205 / MW-B-OMW-205-10212015 / 10/21/2015	OMW-205 / DUP-001-10212015 / 10/21/2015	OMW-212 / MW-B-OMW-212-10212015 / 10/21/2015	OMW-214 / MW-B-OMW-214-10232015 / 10/23/2015
1,1-Dichloroethane		---	---	---	---
1,2-Dichloroethane		0.5 J	---	---	---
1,4-Dichlorobenzene		2 J	1 J	---	---
Acetone		---	---	22	10 J
Benzene		3	1	---	---
Carbon disulfide		---	---	---	---
Chlorobenzene		120 J	65 J	---	1
Chloroethane		---	---	---	---
cis-1,2-Dichloroethene		6 J	3 J	---	---
Ethylbenzene		---	---	---	---
m,p-Xylene		---	---	---	---
o-Xylene		---	---	---	---
Toluene		---	---	---	---
Trichloroethene		0.8 J	---	---	---
Vinyl Chloride		1	0.7 J	---	---

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Eurofins Lancaster Laboratories in Lancaster, PA.
4. "---" designates compound was not detected in that monitoring well in October 2015.
5. "J" designates that the detected concentration is considered an estimated value.

Table 4-7
VOCs Detected in Fall 2015 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID / Sample ID / Sample Date	OMW-215 / MW-B-OMW-215-10212015 / 10/21/2015	OMW-216 / MW-B-OMW-216-10232015 / 10/23/2015	OMW-218 / MW-B-OMW-218-10212015 / 10/21/2015	OMW-220 / MW-B-OMW-220-10222015 / 10/22/2015
1,1-Dichloroethane		0.7 J	---	---	---
1,2-Dichloroethane		---	---	---	---
1,4-Dichlorobenzene		---	---	---	---
Acetone		---	---	---	---
Benzene		280	0.6 J	---	---
Carbon disulfide		---		---	3 J
Chlorobenzene		6	4	---	---
Chloroethane		---	---	---	---
cis-1,2-Dichloroethene		---	2	---	---
Ethylbenzene		---	---	---	---
m,p-Xylene		---	---	---	---
o-Xylene		---	---	---	---
Toluene		4	---	5	---
Trichloroethene		---	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 Eurofins Lancaster Laboratories in Lancaster, PA.
4. "---" designates compound was not detected in that monitoring well in October 2015.
5. "J" designates that the detected concentration is considered an estimated value.

Table 4-7
VOCs Detected in Fall 2015 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID	OMW-221	OPZ-207	OMW-107
	Sample ID	MW-B-OMW-221-10222015	MW-B-OPZ-207-10232015	MW-OVB-OMW-107-10202015
	Sample Date	10/22/2015	10/23/2015	10/20/2015
1,1-Dichloroethane		---	---	---
1,2-Dichloroethane		---	---	---
1,4-Dichlorobenzene		---	---	---
Acetone		---	---	---
Benzene		---	14	---
Carbon disulfide		---	---	---
Chlorobenzene		---	---	0.6 J
Chloroethane		---	---	---
cis-1,2-Dichloroethene		---	---	---
Ethylbenzene		---	---	---
m,p-Xylene		---	---	---
o-Xylene		---	---	---
Toluene		---	---	---
Trichloroethene		3	---	---
Vinyl Chloride		---	---	---

Notes:

1. "VOCs" designates volatile organic compounds.
2. Results are in micrograms per liter (µg/L).
3. VOCs analyzed by United States Environmental Protection Agency SW-846 Method 8260C by Eurofins Lancaster Laboratories in Lancaster, PA.
4. "---" designates compound was not detected in that monitoring well in October 2015.
5. "J" designates that the detected concentration is considered an estimated value.

Table 4-8
1,4-Dioxane Detected in Fall 2015 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID	OMW-102	OMW-108	OMW-201	OMW-205
	Sample ID	MW-B-OMW-102-10262015	MW-B-OMW-108-10202015	MW-B-OMW-201-10262015	MW-B-OMW-205-10212015
	Sample Date	10/26/2015	10/20/2015	10/26/2015	10/21/2015
1,4-Dioxane		1.6	0.10 J	520	6.6

Compound	Location ID	OMW-214	OMW-215	OMW-215	OMW-216
	Sample ID	MW-B-OMW-214-10232015	MW-B-OMW-215-10212015	DUP-004-10212015	MW-B-OMW-216-10232015
	Sample Date	10/23/2015	10/21/2015	10/21/2015	10/23/2015
1,4-Dioxane		1.2	6.5	7.0	1.4

Compound	Location ID	OPZ-207	OMW-107
	Sample ID	MW-B-OPZ-207-10232015	MW-OVB-OMW-107-10202015
	Sample Date	10/23/2015	10/20/2015
1,4-Dioxane		4.0	0.92

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 SIM by Eurofins Lancaster Laboratories in Lancaster, PA.
3. "J" designates that the detected concentration is considered an estimated value.

Table 4-9
Phenolic Compounds Detected in Fall 2015 Groundwater Samples
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID / Sample ID / Sample Date	OMW-201 MW-B-OMW-201-10262015 10/26/2015	OMW-201 DUP-003-10262015 10/26/2015	OMW-215 MW-B-OMW-215-10212015 10/21/2015
2,4-Dimethylphenol		32 J	22 J	---
2-Chlorophenol		5 J	3 J	---
2-Methylphenol		6 J	4 J	---
3&4-Methylphenol		5 J	3 J	---
Phenol		3 J	2 J	1

Notes:

1. Results are in micrograms per liter (µg/L).
2. Phenolic compounds analyzed by United States Environmental Protection Agency SW-846 Method 8270D by Eurofins Lancaster Laboratories in Lancaster, PA.
3. "J" designates that the detected concentration is considered an estimated value.
4. "---" designates compound was not detected in that monitoring well in October 2015.

Table 4-10
Summary of Extraction Well Sample Results - EW-1
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015	5/6/2015*		8/12/2015	11/18/2015
Volatile Organic Compounds (VOCs) (µg/L)						
1,1,1,2-Tetrachloroethane	100 U	20.0 U	1 U	1 U	1 U	50 U
1,1,1-Trichloroethane	100 U	**10.8 J**	1 U	1 U	**10**	50 U
1,1,2,2-Tetrachloroethane	100 U	20.0 U	1 U	1 U	1 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	100 U	20.0 U	1 U	1 U	1 U	50 U
1,1,2-Trichloroethane	100 U	20.0 U	1 U	1 U	1 U	50 U
1,1-Dichloroethane	100 U	**31.1**	**30**	**36**	**46**	50 U
1,1-Dichloroethene	100 U	**15.3 J**	**12**	**14**	**24**	**73**
1,2,3-Trichlorobenzene	100 U	**26.4**	**18**	**21**	**21**	50 U
1,2,4-Trichlorobenzene	**168**	**120**	**82**	**100**	**97**	**95**
1,2-Dibromo-3-chloropropane	100 U	20.0 U	1 U	1 U	1 U	50 U
1,2-Dibromoethane	100 U	20.0 U	1 U	1 U	1 U	50 U
1,2-Dichlorobenzene	100 U	20.0 U	**3**	**4**	**5**	50 U
1,2-Dichloroethane	**180**	**137**	**120**	**140**	**120**	**210**
1,2-Dichloropropane	100 U	20.0 U	1 U	1 U	1 U	50 U
1,3-Dichlorobenzene	100 U	20.0 U	1 U	1 U	**1**	50 U
1,4-Dichlorobenzene	100 U	**12.0 J**	**7**	**8**	**11**	50 U
2-Butanone	500 U	100 U	1 U	1 U	1 U	50 U
2-Hexanone	500 U	100 U	5 U	5 U	5 U	250 U
4-Methyl-2-pentanone	500 U	100 U	**5**	**6**	**3**	50 U
Acetone	1,000 U	200 U	**40**	**46**	**31**	**87 J**
Benzene	**710**	**475**	**530**	**800**	**670**	**710**
Bromobenzene	100 U	20.0 U	1 U	1 U	1 U	50 U
Bromochloromethane	100 U	20.0 U	1 U	1 U	1 U	50 U
Bromodichloromethane	100 U	20.0 U	1 U	1 U	1 U	50 U
Bromoform	100 U	20.0 U	1 U	1 U	1 U	50 U
Bromomethane	100 U	20.0 U	1 U	1 U	1 U	50 U
Carbon disulfide	100 U	20.0 U	1 U	1 U	1 U	50 U
Carbon tetrachloride	100 U	20.0 U	1 U	1 U	1 U	50 U
Chlorobenzene	**162**	**112**	**87**	**100**	**120**	**130**
Chloroethane	100 U	20.0 U	1 U	1 U	1 U	50 U
Chloroform	**61.2 J**	**41.9**	**29**	**36**	**38**	50 U
Chloromethane	100 U	20.0 U	1 U	1 U	1 U	50 U
cis-1,2-Dichloroethene	**572**	**399**	**420**	**580**	**610**	**630**
cis-1,3-Dichloropropene	100 U	20.0 U	1 U	1 U	1 U	50 U
Cyclohexane	100 U	20.0 U	1 U	1 U	**2**	50 U
Dibromochloromethane	100 U	20.0 U	1 U	1 U	1 U	50 U
Dichlorodifluoromethane	100 U	20.0 U	1 U	1 U	1 U	50 U
Ethylbenzene	100 U	**25.5**	**16**	**19**	**26**	50 U
Isopropylbenzene	100 U	20.0 U	1 U	1 U	**1**	50 U
m,p-Xylene	100 U	**30.7**	**21**	**23**	**30**	50 U
Methyl acetate	100 U	20.0 U	1 U	1 U	1 U	50 U
Methyl tert-butyl ether	100 U	20.0 U	1 U	1 U	1 U	50 U
Methylcyclohexane	100 U	20.0 U	1 U	1 U	1 U	50 U

Table 4-10
Summary of Extraction Well Sample Results - EW-1
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015	5/6/2015*		8/12/2015	11/18/2015
Methylene chloride	**188**	**150**	**110**	**140**	**130**	**110**
o-Xylene	100 U	**33.5**	**22**	**27**	**32**	50 U
Styrene	100 U	20.0 U	1 U	1 U	1 U	50 U
Tetrachloroethene	100 U	**33.0**	**18**	**20**	**29**	50 U
Toluene	**519**	**296**	**450**	**890**	**310**	**290**
trans-1,2-Dichloroethene	100 U	20.0 U	**1**	**2**	**3**	50 U
trans-1,3-Dichloropropene	100 U	20.0 U	1 U	1 U	1 U	50 U
Trichloroethene	**6,570**	**6,060**	**5,000**	**6,200**	**7,600**	**7,900**
Trichlorofluoromethane	100 U	20.0 U	1 U	1 U	1 U	50 U
Vinyl chloride	100 U	**18.3 J**	**14**	**16**	**29**	50 U
Xylenes (total)	100 U	**64.2**	**43**	**50**	**62**	50 U
Semi-Volatile Organic Compounds (SVOCs) (µg/L)						
1,4-Dioxane	**9.6**	**8.5**	**6.7**	**6.6**	**6.8**	**4.6**
1,1'-Biphenyl	9.62 U	18.7 U	---	---	---	---
2,4,5-Trichlorophenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	**2.19 J**	**2.12 J**	**2 J**	**1 J**	**1 J**	**1 J**
2,4-Dinitrophenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	9.62 U	18.7 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	9.62 U	18.7 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
2-Chlorophenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
2-Methylphenol	**7.78 J**	**6.98 J**	**8 J**	**7 J**	**8 J**	**4 J**
2-Nitroaniline	9.62 U	18.7 U	10 U	10 U	10 U	10 U
2-Nitrophenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
3,4-Methylphenol	**11.7**	**12.2 J**	**9 J**	**11 J**	**6 J**	**5 J**
3,3-Dichlorobenzidine	9.62 U	18.7 U	10 U	10 U	10 U	10 U
3-Nitroaniline	9.62 U	18.7 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	9.62 U	18.7 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
4-Chloroaniline	9.62 U	18.7 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	9.62 U	18.7 U	10 U	10 U	10 U	10 U
4-Nitroaniline	9.62 U	18.7 U	10 U	10 U	10 U	10 U
4-Nitrophenol	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Acenaphthene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Acenaphthylene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Anthracene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Benzo[a]anthracene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Benzo[a]pyrene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Benzo[b]fluoranthene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Benzo[g,h,i]perylene	4.81 U	9.35 U	5 U	5 U	5 U	5 U

Table 4-10
Summary of Extraction Well Sample Results - EW-1
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015	5/6/2015*		8/12/2015	11/18/2015
Benzo[k]fluoranthene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	9.62 U	18.7 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	9.62 U	18.7 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	9.62 U	18.7 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	**2.06 J**	**2.18 J**	**2 J**	**2 J**	10 U	10 U
Butylbenzylphthalate	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Carbazole	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Chrysene	4.81 U	9.35 U	10 U	10 U	5 U	5 U
Dibenz[a,h]anthracene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Dibenzofuran	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Diethylphthalate	9.62 U	**8.65 J**	10 U	10 U	10 U	10 U
Dimethylphthalate	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Fluoranthene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Fluorene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Hexachlorobenzene	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Hexachloroethane	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Isophorone	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Naphthalene	**1.17 J**	9.35 U	5 U	5 U	5 U	5 U
Nitrobenzene	9.62 U	18.7 U	10 U	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	9.62 U	18.7 U	10 U	10 U	10 U	10 U
n-Nitrosodiphenylamine	9.62 U	18.7 U	10 U	10 U	10 U	10 U
Pentachlorophenol	9.62 U	18.7 U	**2 J**	25 U	**1 J**	10 U
Phenanthrene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Phenol	**8.89 J**	**9.25 J**	**18**	**19**	**16**	**3 J**
Pyrene	4.81 U	9.35 U	5 U	5 U	5 U	5 U
Metals (mg/L)						
Aluminum	**0.0231 J**	**0.0273 J**	**0.0192 J**	**0.0227 J**	**0.0703 J**	**0.0872 J**
Antimony	0.00500 U	0.00500 U	0.06 U	0.06 U	0.06 U	0.06 U
Arsenic	**0.00867**	**0.00768**	**0.0057 J**	**0.0083 J**	**0.0060 J**	**0.0087 J**
Barium	**0.0622**	**0.0657**	**0.0673 J**	**0.0706 J**	**0.0685 J**	**0.0685 J**
Beryllium	0.00400 U	0.00400 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	**0.000123 J**	**0.000105 J**	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	**22.4**	**24.0**	**24.7**	**25.9**	**24**	**25.8**
Chromium	0.00500 U	**0.00127 J**	0.01 U	0.01 U	**0.0013 J**	**0.0029 J**
Cobalt	0.00500 U	0.00500 U	0.05 U	0.05 U	0.0500 U	0.05 U
Copper	**0.0435**	**0.0120**	**0.0334**	**0.0827**	**0.0024 J**	**0.0028 J**
Iron	**0.0512**	**0.0776**	**0.0414 J**	**0.0120 J**	**0.0823 J**	**0.0816 J**
Lead	**0.0163**	**0.00236 J**	**0.0044 J**	**0.0077**	**0.0099**	**0.0068**
Magnesium	**4.71**	**5.08**	**4.91**	**5.19**	**4.68**	**5.18**

Table 4-10
Summary of Extraction Well Sample Results - EW-1
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015	5/6/2015*		8/12/2015	11/18/2015
Manganese	**0.273**	**0.291**	**0.284**	**0.306**	**0.278**	**0.271**
Mercury	---	---	0.00020 U	0.00020 U	0.00020 U	**0.000070 J**
Nickel	**0.000731 J**	**0.000822 J**	0.04 U	0.04 U	0.04 U	0.04 U
Potassium	**0.687**	**0.467 J**	**0.537 J**	**0.575 J**	**0.469 J**	**0.781 J**
Selenium	0.0100 U	0.0100 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.00700 U	0.00700 U	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	**50.5**	**52.9**	**50.5**	**52.0**	**55.3**	**59.2**
Thallium	0.0100 U	0.0100 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.00500 U	0.00500 U	0.05 U	0.05 U	0.05 U	0.05 U
Zinc	**0.233**	**0.0190**	**0.0789**	**0.17**	**0.0389**	**0.546**
Polychlorinated biphenyls (PCBs) (µg/L)						
Aroclor-1016	0.0500 U	0.0521 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0521 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0521 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0521 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0521 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1254	0.0500 U	0.0521 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1260	0.0500 U	0.0521 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Total PCBs	0.0500 U	0.0521 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. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "J" designates compound is considered estimated.
6. "---" designates compound was not analyzed for on that sampling date.
7. Detections are bolded.

Table 4-10
Summary of Extraction Well Sample Results - EW-2
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015*		5/6/2015	8/12/2015	11/18/2015
Volatile Organic Compounds (VOCs) (µg/L)						
1,1,1,2-Tetrachloroethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
1,1,1-Trichloroethane	**135**	**97.5**	**99.8**	**120**	1 U	200 U
1,1,2,2-Tetrachloroethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
1,1,2-Trichloroethane	50.0 U	50.0 U	50.0 U	**4**	**4**	200 U
1,1-Dichloroethane	**150**	**110**	**110**	**140**	**210**	**230**
1,1-Dichloroethene	**63.6**	**43.1 J**	**43.4 J**	**55**	**110**	**300**
1,2,3-Trichlorobenzene	**260**	**185**	**208**	**200**	**330**	**250**
1,2,4-Trichlorobenzene	**1,150**	**899**	**912**	**670**	**1,200**	**1,100**
1,2-Dibromo-3-chloropropane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
1,2-Dibromoethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
1,2-Dichlorobenzene	**46.6 J**	**33.0 J**	**32.4 J**	**28**	**43**	200 U
1,2-Dichloroethane	**844**	**720**	**730**	**800**	**1,000**	**1,200**
1,2-Dichloropropane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
1,3-Dichlorobenzene	50.0 U	50.0 U	50.0 U	**7**	**11**	200 U
1,4-Dichlorobenzene	**93.8**	**70.2**	**69.7**	**60**	**90**	200 U
2-Butanone	**142 J**	**94.3 J**	**102 J**	1 U	**81**	200 U
2-Hexanone	250 U	250 U	250 U	**12**	5 U	1,000 U
4-Methyl-2-pentanone	**47.6 J**	**37.0 J**	**35.9 J**	**39**	**41**	200 U
Acetone	**1,230**	**515**	**567**	**810 J**	**560 J**	**960 J**
Benzene	**3,760**	**2,650**	**2,690**	**3,300**	**4,600**	**5,200**
Bromobenzene	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Bromochloromethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Bromodichloromethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Bromoform	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Bromomethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Carbon disulfide	50.0 U	50.0 U	50.0 U	1 U	**1**	200 U
Carbon tetrachloride	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Chlorobenzene	**1,180**	**834**	**858**	**990**	**1,200**	**1,300**
Chloroethane	50.0 U	50.0 U	50.0 U	**1**	**2**	200 U
Chloroform	**889**	**669**	**681**	**770**	**1,000**	**1,200**
Chloromethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
cis-1,2-Dichloroethene	**4,850**	**3,420**	**3,510**	**4,200**	**6,200**	**7,100**
cis-1,3-Dichloropropene	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Cyclohexane	50.0 U	50.0 U	50.0 U	**8**	**17**	200 U
Dibromochloromethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Dichlorodifluoromethane	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Ethylbenzene	**256**	**183**	**183**	**180**	**320**	**320**
Isopropylbenzene	50.0 U	50.0 U	50.0 U	1 U	**10**	200 U
m,p-Xylene	**496**	**380**	**382**	**390**	**660**	**700**
Methyl acetate	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Methyl tert-butyl ether	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Methylcyclohexane	50.0 U	50.0 U	50.0 U	1 U	**5**	200 U

Table 4-10
Summary of Extraction Well Sample Results - EW-2
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015*		5/6/2015	8/12/2015	11/18/2015
Methylene chloride	**2,430**	**1,950**	**1,970**	**2,300**	**3,400**	**2,700**
o-Xylene	**340**	**238**	**243**	**240**	**370**	**370**
Styrene	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Tetrachloroethene	**212**	**153**	**157**	**120**	**190**	**260**
Toluene	**5,130**	**4,230**	**4,330**	**5,700**	**8,000**	**8,200**
trans-1,2-Dichloroethene	50.0 U	50.0 U	50.0 U	**7**	**20**	200 U
trans-1,3-Dichloropropene	50.0 U	50.0 U	50.0 U	1 U	1 U	200 U
Trichloroethene	**25,900**	**23,100**	**23,400**	**22,000**	**34,000**	**37,000**
Trichlorofluoromethane	50.0 U	50.0 U	50.0 U	**1**	**2**	200 U
Vinyl chloride	**143**	**127**	**130**	**150**	**350**	**380**
Xylenes (total)	**836**	**618**	**625**	**630**	**1,030**	**1,070**
Semi-Volatile Organic Compounds (SVOCs) (µg/L)						
1,4-Dioxane	**61**	**60**	**57**	**46**	**45**	**44**
1,1'-Biphenyl	**2.28 J**	18.7 U	18.7 U	---	---	---
2,4,5-Trichlorophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dichlorophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dimethylphenol	**17.8 J**	**12.2 J**	**11.0 J**	**8 J**	**10**	**11**
2,4-Dinitrophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dinitrotoluene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,6-Dinitrotoluene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2-Chloronaphthalene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
2-Chlorophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	**1 J**
2-Methylnaphthalene	9.35 U	9.35 U	9.35 U	5 U	**1 J**	**2 J**
2-Methylphenol	**58.1**	**48.7**	**46.5**	**42**	**55**	**42**
2-Nitroaniline	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2-Nitrophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
3,4-Methylphenol	**145**	**134**	**129**	**100**	**140**	**64**
3,3-Dichlorobenzidine	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
3-Nitroaniline	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Chloroaniline	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Nitroaniline	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Nitrophenol	**3.79 J**	18.7 U	18.7 U	10 U	10 U	10 U
Acenaphthene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Acenaphthylene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Anthracene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[a]anthracene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[a]pyrene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[b]fluoranthene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[g,h,i]perylene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U

Table 4-10
Summary of Extraction Well Sample Results - EW-2
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015*		5/6/2015	8/12/2015	11/18/2015
Benzo[k]fluoranthene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	18.7 U	18.7 U	18.7 U	10 U	**1 J**	10 U
Butylbenzylphthalate	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Carbazole	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Chrysene	9.35 U	9.35 U	9.35 U	10 U	5 U	5 U
Dibenz[a,h]anthracene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Dibenzofuran	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Diethylphthalate	18.7 U	**8.87 J**	**8.81 J**	10 U	10 U	10 U
Dimethylphthalate	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Di-n-butylphthalate	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Di-n-octylphthalate	**10.2 J**	18.7 U	18.7 U	10 U	10 U	10 U
Fluoranthene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Fluorene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Hexachlorobenzene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Hexachlorobutadiene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Hexachloroethane	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Isophorone	**3.44 J**	**3.16 J**	**2.98 J**	**2 J**	**3 J**	**4 J**
Naphthalene	**8.30 J**	**6.26 J**	**5.72 J**	**7**	**10**	**13**
Nitrobenzene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
n-Nitrosodiphenylamine	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Pentachlorophenol	18.7 U	18.7 U	18.7 U	**4 J**	**19**	**18**
Phenanthrene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Phenol	**83.2**	**104**	**87.9**	**130**	**190**	**48**
Pyrene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Metals (mg/L)						
Aluminum	**0.0440 J**	**0.0281 J**	**0.0306 J**	**0.0522 J**	**0.0659 J**	**0.0418 J**
Antimony	0.00500 U	0.00500 U	0.00500 U	0.06 U	0.06 U	0.06 U
Arsenic	**0.00739**	**0.00444 J**	**0.00501**	0.0050 U	**0.0061 J**	**0.0062 J**
Barium	**0.174**	**0.185**	**0.176**	**0.184 J**	**0.186 J**	**0.177 J**
Beryllium	0.00400 U	0.00400 U	0.00400 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.00400 U	**0.000122 J**	0.00400 U	0.0025 U	0.0025 U	0.0025 U
Calcium	**20.3**	**21.5**	**21.1**	**21.3**	**19.3**	**20.5**
Chromium	0.00500 U	**0.00336 J**	**0.00253 J**	**0.0011 J**	**0.0030 J**	**0.0038 J**
Cobalt	0.00500 U	0.00500 U	0.00500 U	0.05 U	0.05 U	0.05 U
Copper	**0.0118**	**0.00679**	**0.00896**	**0.272**	**0.0034 J**	**0.0082 J**
Iron	**0.0582**	**0.0421 J**	**0.0526**	**0.0414 J**	**0.0302 J**	0.1 U
Lead	**0.00219 J**	**0.00246 J**	**0.00181 J**	**0.0318**	**0.0067**	**0.0038 J**
Magnesium	**4.94**	**5.19**	**5.08**	**4.7**	**4.33**	**4.7**

Table 4-10
Summary of Extraction Well Sample Results - EW-2
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015*		5/6/2015	8/12/2015	11/18/2015
Manganese	**0.426**	**0.431**	**0.422**	**0.473**	**0.453**	**0.456**
Mercury	---	---	---	0.00020 U	0.00020 U	**0.000069 J**
Nickel	0.00500 U	**0.000784 J**	**0.000742 J**	**0.0038 J**	0.0400 U	0.04 U
Potassium	**0.470 J**	**0.517**	**0.506**	**0.533 J**	**0.482 J**	**0.727 J**
Selenium	0.0100 U	0.0100 U	0.0100 U	0.01 U	0.01 U	0.01 U
Silver	0.00700 U	0.00700 U	0.00700 U	0.01 U	0.01 U	0.01 U
Sodium	**44.4**	**47.5**	**46.1**	**43.5**	**50.2**	**47.8**
Thallium	**0.00341 J**	0.0100 U	0.0100 U	0.01 U	0.01 U	0.01 U
Vanadium	0.00500 U	0.00500 U	0.00500 U	0.05 U	0.05 U	0.05 U
Zinc	**0.538**	**0.0117**	**0.0164**	**0.552**	**0.0747**	**0.0960**
Polychlorinated biphenyls (PCBs) (µg/L)						
Aroclor-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1260	0.0500 U	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	0.0500 U

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "J" designates compound is considered estimated.
6. "---" designates compound was not analyzed for on that sampling date.
7. Detections are bolded.

Table 4-10
Summary of Extraction Well Sample Results - EW-3
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015	5/6/2015	8/12/2015	11/18/2015
Volatile Organic Compounds (VOCs) (µg/L)					
1,1,1,2-Tetrachloroethane	200 U	50.0 U	1 U	1 U	50 U
1,1,1-Trichloroethane	200 U	50.0 U	**30**	**45**	50 U
1,1,2,2-Tetrachloroethane	200 U	50.0 U	1 U	1 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	200 U	50.0 U	1 U	1 U	50 U
1,1,2-Trichloroethane	200 U	50.0 U	1 U	1 U	50 U
1,1-Dichloroethane	**112 J**	**78.7**	**110**	**130**	**65**
1,1-Dichloroethene	200 U	50.0 U	**22**	**29**	50 U
1,2,3-Trichlorobenzene	200 U	50.0 U	**11**	**11**	50 U
1,2,4-Trichlorobenzene	200 U	**41.3 J**	**50**	**51**	50 U
1,2-Dibromo-3-chloropropane	200 U	50.0 U	1 U	1 U	50 U
1,2-Dibromoethane	200 U	50.0 U	1 U	1 U	50 U
1,2-Dichlorobenzene	200 U	50.0 U	**2**	**3**	50 U
1,2-Dichloroethane	**335**	**259**	**300**	**600**	**180**
1,2-Dichloropropane	200 U	50.0 U	1 U	1 U	50 U
1,3-Dichlorobenzene	200 U	50.0 U	1 U	**1**	50 U
1,4-Dichlorobenzene	200 U	50.0 U	**8**	**11**	50 U
2-Butanone	**277 J**	**181 J**	1 U	**150**	50 U
2-Hexanone	1,000 U	250 U	5 U	5 U	250 U
4-Methyl-2-pentanone	**152 J**	**108 J**	**95**	**100**	50 U
Acetone	**1,170 J**	**693**	**730**	**730 J**	**390**
Benzene	**11,700**	**10,200**	**11,000**	**12,000**	**6,700**
Bromobenzene	200 U	50.0 U	1 U	1 U	50 U
Bromochloromethane	200 U	50.0 U	1 U	1 U	50 U
Bromodichloromethane	200 U	50.0 U	1 U	1 U	50 U
Bromoform	200 U	50.0 U	1 U	1 U	50 U
Bromomethane	200 U	50.0 U	1 U	1 U	50 U
Carbon disulfide	200 U	50.0 U	1 U	1 U	50 U
Carbon tetrachloride	200 U	50.0 U	1 U	1 U	50 U
Chlorobenzene	**2,380**	**1,550**	**1,700**	**2,100**	**990**
Chloroethane	200 U	50.0 U	**4**	1 U	50 U
Chloroform	**113 J**	**98.3**	**150**	**130**	50 U
Chloromethane	200 U	50.0 U	1 U	1 U	50 U
cis-1,2-Dichloroethene	**1,910**	**1,230**	**1,800**	**2,200**	**830**
cis-1,3-Dichloropropene	200 U	50.0 U	1 U	1 U	50 U
Cyclohexane	200 U	50.0 U	**7**	**11**	50 U
Dibromochloromethane	200 U	50.0 U	1 U	1 U	50 U
Dichlorodifluoromethane	200 U	50.0 U	1 U	1 U	50 U
Ethylbenzene	**198 J**	**114**	**110**	**160**	**88**
Isopropylbenzene	200 U	50.0 U	**1**	**2**	50 U
m,p-Xylene	**709**	**431**	**390**	**640**	**320**
Methyl acetate	200 U	50.0 U	1 U	1 U	50 U
Methyl tert-butyl ether	200 U	50.0 U	1 U	1 U	50 U
Methylcyclohexane	200 U	50.0 U	1 U	1 U	50 U

Table 4-10
Summary of Extraction Well Sample Results - EW-3
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015	5/6/2015	8/12/2015	11/18/2015
Methylene chloride	200 U	**48.8 J**	**71**	**42**	50 U
o-Xylene	**238**	**148**	**140**	**190**	**100**
Styrene	200 U	50.0 U	1 U	1 U	50 U
Tetrachloroethene	200 U	50.0 U	**2**	**3**	50 U
Toluene	**11,900**	**8,780**	**9,300**	**11,000**	**6,000**
trans-1,2-Dichloroethene	200 U	50.0 U	**7**	**14**	50 U
trans-1,3-Dichloropropene	200 U	50.0 U	1 U	1 U	50 U
Trichloroethene	**626**	**400**	**550**	**890**	**340**
Trichlorofluoromethane	200 U	50.0 U	1 U	1 U	50 U
Vinyl chloride	**342**	**272**	**370**	**600**	**190**
Xylenes (total)	**947**	**579**	**530**	**830**	**420**
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
1,4-Dioxane	**290**	**290**	**160**	**170**	**190**
1,1'-Biphenyl	**2.22 J**	18.7 U	---	---	---
2,4,5-Trichlorophenol	18.7 U	18.7 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dichlorophenol	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dimethylphenol	**77.4**	**51.9**	**35**	**62**	**36**
2,4-Dinitrophenol	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dinitrotoluene	18.7 U	18.7 U	10 U	10 U	10 U
2,6-Dinitrotoluene	18.7 U	18.7 U	10 U	10 U	10 U
2-Chloronaphthalene	9.35 U	9.35 U	5 U	5 U	5 U
2-Chlorophenol	**8.68 J**	**6.61 J**	**5 J**	**8 J**	**3 J**
2-Methylnaphthalene	9.35 U	9.35 U	5 U	5 U	5 U
2-Methylphenol	**152**	**102**	**73**	**170 J**	**34**
2-Nitroaniline	18.7 U	18.7 U	10 U	10 U	10 U
2-Nitrophenol	18.7 U	18.7 U	10 U	10 U	10 U
3,4-Methylphenol	**608**	**556**	**300**	**750**	**200**
3,3-Dichlorobenzidine	18.7 U	18.7 U	10 U	10 U	10 U
3-Nitroaniline	18.7 U	18.7 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	18.7 U	18.7 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	18.7 U	18.7 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	18.7 U	18.7 U	10 U	10 U	10 U
4-Chloroaniline	18.7 U	18.7 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	18.7 U	18.7 U	10 U	10 U	10 U
4-Nitroaniline	18.7 U	18.7 U	10 U	10 U	10 U
4-Nitrophenol	18.7 U	18.7 U	10 U	10 U	10 U
Acenaphthene	9.35 U	9.35 U	5 U	5 U	5 U
Acenaphthylene	9.35 U	9.35 U	5 U	5 U	5 U
Anthracene	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[a]anthracene	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[a]pyrene	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[b]fluoranthene	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[g,h,i]perylene	9.35 U	9.35 U	5 U	5 U	5 U

Table 4-10
Summary of Extraction Well Sample Results - EW-3
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015	5/6/2015	8/12/2015	11/18/2015
Benzo[k]fluoranthene	9.35 U	9.35 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	18.7 U	18.7 U	**2 J**	10 U	10 U
Butylbenzylphthalate	18.7 U	18.7 U	10 U	10 U	10 U
Carbazole	9.35 U	9.35 U	5 U	5 U	5 U
Chrysene	9.35 U	9.35 U	10 U	5 U	5 U
Dibenz[a,h]anthracene	9.35 U	9.35 U	5 U	5 U	5 U
Dibenzofuran	9.35 U	9.35 U	5 U	5 U	5 U
Diethylphthalate	18.7 U	**8.66 J**	10 U	10 U	10 U
Dimethylphthalate	18.7 U	18.7 U	10 U	10 U	10 U
Di-n-butylphthalate	18.7 U	18.7 U	10 U	10 U	10 U
Di-n-octylphthalate	18.7 U	18.7 U	10 U	10 U	10 U
Fluoranthene	9.35 U	9.35 U	5 U	5 U	5 U
Fluorene	9.35 U	9.35 U	5 U	5 U	5 U
Hexachlorobenzene	18.7 U	18.7 U	10 U	10 U	10 U
Hexachlorobutadiene	18.7 U	18.7 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	18.7 U	18.7 U	10 U	10 U	10 U
Hexachloroethane	18.7 U	18.7 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	9.35 U	9.35 U	5 U	5 U	5 U
Isophorone	18.7 U	18.7 U	10 U	10 U	10 U
Naphthalene	9.35 U	9.35 U	**9**	**2 J**	**4 J**
Nitrobenzene	18.7 U	18.7 U	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	18.7 U	18.7 U	10 U	10 U	10 U
n-Nitrosodiphenylamine	18.7 U	18.7 U	10 U	10 U	10 U
Pentachlorophenol	18.7 U	18.7 U	25 U	10 U	10 U
Phenanthrene	9.35 U	9.35 U	5 U	5 U	5 U
Phenol	**127**	**114**	**100**	**360**	**31**
Pyrene	9.35 U	9.35 U	5 U	5 U	5 U
Metals (mg/L)					
Aluminum	0.0500 U	0.0500 U	**0.0207 J**	**0.0551 J**	**0.0481 J**
Antimony	0.00500 U	0.00500 U	0.06 U	0.0600 U	0.06 U
Arsenic	**0.00340 J**	0.00500 U	0.01 U	0.0100 U	0.01 U
Barium	**0.855**	**0.869**	**0.705**	**0.697**	**0.365**
Beryllium	0.00400 U	0.00400 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.00400 U	**0.000303 J**	0.0025 U	0.0025 U	0.0025 U
Calcium	**23.6**	**22.2**	**19.9**	**25.6**	**18.4**
Chromium	0.00500 U	**0.00325 J**	**0.0011 J**	**0.0013 J**	0.01 U
Cobalt	0.00500 U	**0.000555 J**	0.05 U	0.0500 U	0.05 U
Copper	**0.0721**	**0.0111**	**0.0058 J**	0.0250 U	0.025 U
Iron	**0.0219 J**	**0.0647**	**0.0242 J**	**0.0587 J**	0.1 U
Lead	**0.00217 J**	**0.00147 J**	**0.0012 J**	**0.0133**	**0.0041 J**
Magnesium	**1.23**	**1.06**	**0.902 J**	**1.34**	**0.947 J**

Table 4-10
Summary of Extraction Well Sample Results - EW-3
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015	2/11/2015	5/6/2015	8/12/2015	11/18/2015
Manganese	**0.257**	**0.243**	**0.231**	**0.269**	**0.166**
Mercury	---	---	0.00020 U	0.00020 U	0.00020 U
Nickel	**0.000761 J**	**0.00139 J**	0.04 U	0.04 U	0.04 U
Potassium	**1.02**	**0.915**	**0.951 J**	**0.814 J**	**0.961 J**
Selenium	0.0100 U	0.0100 U	0.01 U	0.01 U	0.01 U
Silver	0.00700 U	0.00700 U	0.01 U	0.01 U	0.01 U
Sodium	**211**	**216**	**210**	**207**	**168**
Thallium	0.0100 U	0.0100 U	0.01 U	0.01 U	0.01 U
Vanadium	0.00500 U	0.00500 U	0.05 U	0.05 U	0.05 U
Zinc	**0.984**	**0.0285**	**0.0199 J**	**0.0268**	**0.0210**
Polychlorinated biphenyls (PCBs) (µg/L)					
Aroclor-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-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. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "J" designates compound is considered estimated.
6. "---" designates compound was not analyzed for on that sampling date.
7. Detections are bolded.

Table 4-10
Summary of Extraction Well Sample Results - EW-4
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/18/2015	9/16/2015	10/21/2015	11/18/2015*	
Volatile Organic Compounds (VOCs) (µg/L)					
1,1,1,2-Tetrachloroethane	200 U	50 U	50 U	100 U	100 U
1,1,1-Trichloroethane	200 U	**130**	50 U	100 U	100 U
1,1,2,2-Tetrachloroethane	200 U	50 U	50 U	100 U	100 U
1,1,2-Trichloro-1,2,2-trifluoroethane	200 U	50 U	50 U	100 U	100 U
1,1,2-Trichloroethane	200 U	50 U	50 U	100 U	100 U
1,1-Dichloroethane	**220**	**360**	**320**	**410**	**170**
1,1-Dichloroethene	200 U	**110**	**100**	**170**	100 U
1,2,3-Trichlorobenzene	200 U	50 U	50 U	100 U	100 U
1,2,4-Trichlorobenzene	200 U	**180**	50 U	100 U	100 U
1,2-Dibromo-3-chloropropane	200 U	50 U	50 U	100 U	100 U
1,2-Dibromoethane	200 U	50 U	50 U	100 U	100 U
1,2-Dichlorobenzene	200 U	50 U	50 U	100 U	100 U
1,2-Dichloroethane	**610**	**980**	**640**	**930**	100 U
1,2-Dichloropropane	200 U	50 U	50 U	100 U	100 U
1,3-Dichlorobenzene	200 U	50 U	50 U	100 U	100 U
1,4-Dichlorobenzene	200 U	50 U	50 U	100 U	100 U
2-Butanone	200 U	50 U	**180**	100 U	100 U
2-Hexanone	1,000 U	250 U	250 U	500 U	500 U
4-Methyl-2-pentanone	**220**	**460**	**240**	**320**	**140**
Acetone	**2,500**	**4,500**	**1,900**	**2,800**	**690**
Benzene	**20,000**	**32,000**	**23,000**	**31,000**	**30,000**
Bromobenzene	200 U	50 U	50 U	100 U	100 U
Bromochloromethane	200 U	50 U	50 U	100 U	100 U
Bromodichloromethane	200 U	50 U	50 U	100 U	100 U
Bromoform	200 U	50 U	50 U	100 U	100 U
Bromomethane	200 U	50 U	50 U	100 U	100 U
Carbon disulfide	200 U	50 U	50 U	100 U	100 U
Carbon tetrachloride	200 U	50 U	50 U	100 U	100 U
Chlorobenzene	**4,400**	**5,100**	**3,800**	**4,600**	**5,500**
Chloroethane	200 U	50 U	50 U	100 U	100 U
Chloroform	**220**	**300**	**230**	**320**	100 U
Chloromethane	200 U	50 U	50 U	100 U	100 U
cis-1,2-Dichloroethene	**5,500**	**7,600**	**4,900**	**6,600**	**4,000**
cis-1,3-Dichloropropene	200 U	50 U	50 U	100 U	100 U
Cyclohexane	200 U	50 U	50 U	100 U	100 U
Dibromochloromethane	200 U	50 U	50 U	100 U	100 U
Dichlorodifluoromethane	200 U	50 U	50 U	100 U	100 U
Ethylbenzene	**450**	**490**	**330**	**380**	**470**
Isopropylbenzene	200 U	50 U	50 U	100 U	100 U
m,p-Xylene	**1,700**	**1,900**	**1,200**	**1,400**	**1,700**
Methyl acetate	200 U	50 U	50 U	100 U	100 U
Methyl tert-butyl ether	200 U	50 U	50 U	100 U	100 U
Methylcyclohexane	200 U	50 U	50 U	100 U	100 U

Table 4-10
Summary of Extraction Well Sample Results - EW-4
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/18/2015	9/16/2015	10/21/2015	11/18/2015*	
Methylene chloride	**560**	**610**	**320**	**360**	100 U
o-Xylene	**510**	**610**	**380**	**420**	**520**
Styrene	200 U	50 U	50 U	100 U	100 U
Tetrachloroethene	200 U	50 U	50 U	100 U	100 U
Toluene	**20,000**	**30,000**	**19,000**	**17,000**	**29,000**
trans-1,2-Dichloroethene	200 U	50 U	50 U	100 U	100 U
trans-1,3-Dichloropropene	200 U	50 U	50 U	100 U	100 U
Trichloroethene	**1,900**	**2,300**	**1,100**	**1,400**	100 U
Trichlorofluoromethane	200 U	50 U	50 U	100 U	100 U
Vinyl chloride	**1,100**	**1,300**	**1,100**	**1,200**	**2,500**
Xylenes (total)	**2,210**	**2,510**	**1,580**	**1,820**	**2,220**
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
1,4-Dioxane	**190**	**280**	**190**	**380**	**600**
1,1'-Biphenyl	---	---	---	---	---
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	**2 J**	10 U
2,4-Dimethylphenol	**61**	**89 J**	**66**	**200**	**190**
2,4-Dinitrophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	**14**	**22**	**8 J**	**24**	**2 J**
2-Methylnaphthalene	5 U	5 U	5 U	5 U	5 U
2-Methylphenol	**190**	**280 J**	**92 J**	**360**	**45**
2-Nitroaniline	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U
3,4-Methylphenol	**600**	**960 J**	**350**	**990**	**540**
3,3-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10 U
Acenaphthene	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	5 U	5 U	5 U	5 U	5 U
Anthracene	5 U	5 U	5 U	5 U	5 U
Benzo[a]anthracene	5 U	5 U	5 U	5 U	5 U
Benzo[a]pyrene	5 U	5 U	5 U	5 U	5 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5 U	5 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5 U	5 U

Table 4-10
Summary of Extraction Well Sample Results - EW-4
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/18/2015	9/16/2015	10/21/2015	11/18/2015*	
Benzo[k]fluoranthene	5 U	5 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	**3 J**	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U
Carbazole	5 U	5 U	5 U	5 U	5 U
Chrysene	5 U	5 U	5 U	5 U	5 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5 U	5 U
Dibenzofuran	5 U	5 U	5 U	5 U	5 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U
Fluoranthene	5 U	5 U	5 U	5 U	5 U
Fluorene	5 U	5 U	5 U	5 U	5 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5 U	5 U
Isophorone	10 U	10 U	10 U	10 U	10 U
Naphthalene	5 U	5 U	5 U	**31**	**15**
Nitrobenzene	10 U	10 U	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10 U
Phenanthrene	5 U	5 U	5 U	5 U	5 U
Phenol	**730**	**1,100**	**120**	**730**	**28**
Pyrene	5 U	5 U	5 U	5 U	5 U
Metals (mg/L)					
Aluminum	**0.0882 J**	**0.0379 J**	**0.0548 J**	**1.66**	**0.0715 J**
Antimony	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Arsenic	**0.0097 J**	**0.0047 J**	**0.0039 J**	**0.0078 J**	**0.0049 J**
Barium	**3.3**	**4.34**	**3.07**	**4.19**	**4.46**
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.0025 U	**0.00060 J**	**0.00060 J**	0.0025 U	0.0025 U
Calcium	**50.7**	**69.6**	**52.1**	**98.2**	**193**
Chromium	**0.0045 J**	0.01 U	**0.0027 J**	**0.0079 J**	**0.0155**
Cobalt	0.05 U	0.05 U	0.05 U	**0.0053 J**	0.05 U
Copper	0.025 U	**0.0025 J**	**0.0040 J**	**0.0261**	**0.0017 J**
Iron	**0.133**	**0.107**	**0.473**	**4.51**	**0.495**
Lead	**0.0088**	**0.0052**	**0.0061**	**0.0151**	**0.0107**
Magnesium	**3.63**	**4.65**	**3.32**	**7.48**	**51.4**

Table 4-10
Summary of Extraction Well Sample Results - EW-4
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/18/2015	9/16/2015	10/21/2015	11/18/2015*	
Manganese	**1.37**	**1.71**	**1.23**	**2.03**	**0.826**
Mercury	**0.000031 J**	**0.0010 J**	0.00020 U	**0.000055 J**	**0.000088 J**
Nickel	0.04 U	0.04 U	0.04 U	**0.0062 J**	0.04 U
Potassium	**1.11 J**	**1.57 J**	**1.44 J**	**1.87 J**	**2.67 J**
Selenium	**0.0038 J**	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	**0.0013 J**	0.01 U	0.01 U	0.01 U
Sodium	**133**	**185**	**197**	**160**	**23.4**
Thallium	0.01 U	0.01 U	**0.0050 J**	**0.0064 J**	0.01 U
Vanadium	0.05 U	0.05 U	0.05 U	**0.0036 J**	0.05 U
Zinc	**0.0208**	**0.37**	**0.174**	**0.413**	**0.0533**
Polychlorinated biphenyls (PCBs) (µg/L)					
Aroclor-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-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. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "---" designates compound was not analyzed for on that sampling date.
6. "J" designates compound is considered estimated.
7. Detections are bolded.

Table 4-10
Summary of Extraction Well Sample Results - EW-5
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/19/2015	8/12/2015*		9/16/2015	10/21/2015	11/18/2015
Volatile Organic Compounds (VOCs) (µg/L)						
1,1,1,2-Tetrachloroethane	200 U	1 U	1 U	1 U	50 U	50 U
1,1,1-Trichloroethane	**440**	**310**	**330**	**240**	50 U	50 U
1,1,2,2-Tetrachloroethane	200 U	1 U	1 U	1 U	50 U	50 U
1,1,2-Trichloro-1,2,2-trifluoroethane	200 U	1 U	1 U	1 U	50 U	50 U
1,1,2-Trichloroethane	200 U	**2**	**2**	**2**	50 U	50 U
1,1-Dichloroethane	**260**	**330**	**340**	**280**	**200**	**160**
1,1-Dichloroethene	200 U	**140**	**150**	**89**	**130**	**96**
1,2,3-Trichlorobenzene	200 U	**24**	**23**	**26**	50 U	50 U
1,2,4-Trichlorobenzene	200 U	**120**	**110**	**120**	**57**	50 U
1,2-Dibromo-3-chloropropane	200 U	1 U	1 U	1 U	50 U	50 U
1,2-Dibromoethane	200 U	1 U	1 U	1 U	50 U	50 U
1,2-Dichlorobenzene	200 U	**8**	**8**	**6**	50 U	50 U
1,2-Dichloroethane	**910**	**1,500**	**1,600**	**880**	**630**	**440**
1,2-Dichloropropane	200 U	**1**	1 U	1 U	50 U	50 U
1,3-Dichlorobenzene	200 U	**2**	**2**	**1**	50 U	50 U
1,4-Dichlorobenzene	200 U	**23**	**22**	**18**	50 U	50 U
2-Butanone	200 U	**130**	**140**	1 U	50 U	50 U
2-Hexanone	1,000 U	5 U	5 U	5 U	250 U	250 U
4-Methyl-2-pentanone	200 U	**160**	**170**	**150**	50 U	**55**
Acetone	1,000 U	**710 J**	**590 J**	**910**	**600**	**570**
Benzene	**25,000**	**24,000**	**26,000**	**22,000**	**17,000**	**14,000**
Bromobenzene	200 U	1 U	1 U	1 U	50 U	50 U
Bromochloromethane	200 U	1 U	1 U	1 U	50 U	50 U
Bromodichloromethane	200 U	1 U	1 U	1 U	50 U	50 U
Bromoform	200 U	1 U	1 U	1 U	50 U	50 U
Bromomethane	200 U	1 U	1 U	1 U	50 U	50 U
Carbon disulfide	200 U	1 U	1 U	1 U	50 U	50 U
Carbon tetrachloride	200 U	1 U	1 U	1 U	50 U	50 U
Chlorobenzene	**6,100**	**4,800**	**5,100**	**4,100**	**2,900**	**2,200**
Chloroethane	200 U	**7**	**10**	**6**	50 U	50 U
Chloroform	**1,300**	**820**	**940**	**640**	**560**	**310**
Chloromethane	200 U	**1**	**3**	**1**	50 U	50 U
cis-1,2-Dichloroethene	**9,000**	**7,500**	**8,100**	**6,400**	**5,000**	**3,100**
cis-1,3-Dichloropropene	200 U	1 U	1 U	1 U	50 U	50 U
Cyclohexane	200 U	**24**	**23**	**15**	50 U	50 U
Dibromochloromethane	200 U	1 U	1 U	1 U	50 U	50 U
Dichlorodifluoromethane	200 U	1 U	1 U	1 U	50 U	50 U
Ethylbenzene	200 U	200 U	**200**	**190**	**78**	**100**
Isopropylbenzene	200 U	**4**	**3**	**3**	50 U	50 U
m,p-Xylene	**300**	**640**	**660**	**660**	**240**	**350**
Methyl acetate	200 U	1 U	1 U	1 U	50 U	50 U
Methyl tert-butyl ether	200 U	1 U	1 U	1 U	50 U	50 U
Methylcyclohexane	200 U	**2**	**2**	**1**	50 U	50 U

Table 4-10
Summary of Extraction Well Sample Results - EW-5
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/19/2015	8/12/2015*		9/16/2015	10/21/2015	11/18/2015
Methylene chloride	**1,900**	**1,300**	**1,400**	**900**	**850**	**360**
o-Xylene	200 U	**270**	**280**	**240**	**110**	**130**
Styrene	200 U	1 U	1 U	1 U	50 U	50 U
Tetrachloroethene	200 U	**10**	**10**	**9**	50 U	50 U
Toluene	**3,000**	**10,000**	**11,000**	**9,800**	**3,700**	**6,500**
trans-1,2-Dichloroethene	200 U	**40**	**42**	**23**	50 U	50 U
trans-1,3-Dichloropropene	200 U	1 U	1 U	1 U	50 U	50 U
Trichloroethene	**1,600**	**1,200**	**1,400**	**800**	**810**	**430**
Trichlorofluoromethane	200 U	1 U	1 U	1 U	50 U	50 U
Vinyl chloride	**350**	**1,100**	**1,200**	**1,000**	**330**	**440**
Xylenes (total)	**300**	**910**	**940**	**900**	**350**	**480**
Semi-Volatile Organic Compounds (SVOCs) (µg/L)						
1,4-Dioxane	**170**	**230**	**230**	**0.042 J**	**160**	**260**
1,1'-Biphenyl	---	---	---	---	---	---
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	**1 J**	10 U	10 U	10 U
2,4-Dimethylphenol	**17**	**51**	**54**	**49**	**13**	**33**
2,4-Dinitrophenol	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	**4 J**	**8 J**	**9 J**	**8 J**	**2 J**	**4 J**
2-Methylnaphthalene	5 U	5 U	5 U	5 U	5 U	5 U
2-Methylphenol	**79**	**130**	**220**	**140**	**29**	**42**
2-Nitroaniline	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U
3,4-Methylphenol	**170**	**410**	**620**	**380**	**59**	**160**
3,3-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	10 U	**7 J**	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	**6 J**	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthene	5 U	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	5 U	5 U	5 U	5 U	5 U	5 U
Anthracene	5 U	5 U	5 U	5 U	5 U	5 U
Benzo[a]anthracene	5 U	5 U	5 U	5 U	5 U	5 U
Benzo[a]pyrene	5 U	5 U	5 U	5 U	5 U	5 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5 U	5 U	5 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5 U	5 U	5 U

Table 4-10
Summary of Extraction Well Sample Results - EW-5
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/19/2015	8/12/2015*		9/16/2015	10/21/2015	11/18/2015
Benzo[k]fluoranthene	5 U	5 U	5 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	**2 J**	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	5 U	5 U	5 U	5 U	5 U	5 U
Chrysene	5 U	5 U	5 U	5 U	5 U	5 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5 U	5 U	5 U
Dibenzofuran	5 U	5 U	5 U	5 U	5 U	5 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	**1 J**	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	5 U	5 U	5 U	5 U	5 U	5 U
Fluorene	5 U	5 U	5 U	5 U	5 U	5 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5 U	5 U	5 U
Isophorone	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	5 U	**29**	**3 J**	5 U	5 U	**8**
Nitrobenzene	10 U	10 U	10 U	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U	10 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10 U	**5 J**
Phenanthrene	5 U	5 U	5 U	5 U	5 U	5 U
Phenol	**270**	**200**	**380**	**250**	**39**	**35**
Pyrene	5 U	5 U	5 U	5 U	5 U	5 U
Metals (mg/L)						
Aluminum	**0.0495 J**	**0.0655 J**	**0.0569 J**	**0.0383 J**	**0.0244 J**	**0.0297 J**
Antimony	**0.0226 J**	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Arsenic	**0.0233**	**0.0144**	**0.0149**	**0.0157**	**0.0174**	**0.0353**
Barium	**0.261**	**0.553**	**0.543**	**0.81**	**0.425**	**0.61**
Beryllium	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U	0.0025 U
Calcium	**133**	**128**	**127**	**115**	**103**	**78.9**
Chromium	**0.0035 J**	**0.0010 J**	**0.0014 J**	0.01 U	0.01 U	**0.0058 J**
Cobalt	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Copper	**0.0077 J**	0.025 U	0.025 U	**0.0026 J**	**0.0032 J**	**0.0039 J**
Iron	**0.286**	**0.185**	**0.184**	**0.175**	**0.192**	**1.95**
Lead	**0.01**	**0.0114**	**0.0111**	**0.0055**	**0.0048 J**	**0.0057**
Magnesium	**29**	**21.8**	**21.6**	**18.1**	**16.2**	**10.2**

Table 4-10
Summary of Extraction Well Sample Results - EW-5
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/19/2015	8/12/2015*		9/16/2015	10/21/2015	11/18/2015
Manganese	**2.47**	**1.9**	**1.88**	**1.4**	**1.11**	**0.816**
Mercury	0.00020 U	0.00020 U	0.00020 U	**0.000055 J**	0.00020 U	**0.000062 J**
Nickel	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Potassium	**3.02 J**	**1.5 J**	**1.54 J**	**1.7 J**	**1.37 J**	**1.46 J**
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	**0.0035 J**	0.01 U	0.01 U
Sodium	**78.2**	**110**	**109**	**125**	**125**	**135**
Thallium	0.01 U	0.01 U	0.01 U	0.01 U	**0.0052 J**	0.01 U
Vanadium	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Zinc	**0.269**	**0.112**	**0.478**	**1.32**	**0.127**	**9.7**
Polychlorinated biphenyls (PCBs) (µg/L)						
Aroclor-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1260	0.0500 U	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	0.0500 U

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "J" designates compound is considered estimated.
6. "---" designates compound was not analyzed for on that sampling date.
7. Detections are bolded.

Table 4-10
Summary of Extraction Well Sample Results - EW-6
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/15/2015	10/21/2015	11/18/2015	12/9/2015
Volatile Organic Compounds (VOCs) (µg/L)				
1,1,1,2-Tetrachloroethane	200 U	500 U	500 U	250 U
1,1,1-Trichloroethane	200 U	500 U	500 U	250 U
1,1,2,2-Tetrachloroethane	200 U	500 U	500 U	250 U
1,1,2-Trichloro-1,2,2-trifluoroethane	200 U	500 U	500 U	250 U
1,1,2-Trichloroethane	200 U	500 U	500 U	250 U
1,1-Dichloroethane	200 U	**600**	**690**	**650**
1,1-Dichloroethene	200 U	500 U	**590**	**350**
1,2,3-Trichlorobenzene	200 U	500 U	500 U	250 U
1,2,4-Trichlorobenzene	200 U	500 U	500 U	250 U
1,2-Dibromo-3-chloropropane	200 U	500 U	500 U	250 U
1,2-Dibromoethane	200 U	500 U	500 U	250 U
1,2-Dichlorobenzene	200 U	500 U	500 U	250 U
1,2-Dichloroethane	**390**	**1,700**	**2,100**	**1,600**
1,2-Dichloropropane	200 U	500 U	500 U	250 U
1,3-Dichlorobenzene	200 U	500 U	500 U	250 U
1,4-Dichlorobenzene	200 U	500 U	500 U	250 U
2-Butanone	200 U	500 U	500 U	250 U
2-Hexanone	1,000 U	2,500 U	2,500 U	1,300 U
4-Methyl-2-pentanone	200 U	500 U	500 U	**600**
Acetone	**1,400**	**4,800**	**5,600**	**5,800**
Benzene	**22,000**	**48,000**	**54,000**	**48,000**
Bromobenzene	200 U	500 U	500 U	250 U
Bromochloromethane	200 U	500 U	500 U	250 U
Bromodichloromethane	200 U	500 U	500 U	250 U
Bromoform	200 U	500 U	500 U	250 U
Bromomethane	200 U	500 U	500 U	250 U
Carbon disulfide	200 U	500 U	500 U	250 U
Carbon tetrachloride	200 U	500 U	500 U	250 U
Chlorobenzene	**6,400**	**9,800**	**11,000**	**11,000**
Chloroethane	200 U	500 U	500 U	250 U
Chloroform	200 U	500 U	**630**	**620**
Chloromethane	200 U	500 U	500 U	250 U
cis-1,2-Dichloroethene	**4,700**	**14,000**	**17,000**	**16,000**
cis-1,3-Dichloropropene	200 U	500 U	500 U	250 U
Cyclohexane	200 U	500 U	500 U	250 U
Dibromochloromethane	200 U	500 U	500 U	250 U
Dichlorodifluoromethane	200 U	500 U	500 U	250 U
Ethylbenzene	**490**	**800**	**950**	**930**
Isopropylbenzene	200 U	500 U	500 U	250 U
m,p-Xylene	**1,900**	**3,100**	**3,700**	**3,500**
Methyl acetate	200 U	500 U	500 U	250 U
Methyl tert-butyl ether	200 U	500 U	500 U	250 U
Methylcyclohexane	200 U	500 U	500 U	250 U

Table 4-10
Summary of Extraction Well Sample Results - EW-6
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/15/2015	10/21/2015	11/18/2015	12/9/2015
Methylene chloride	**350**	**1,500**	**1,900**	**1,800**
o-Xylene	**600**	**870**	**1,100**	**1,000**
Styrene	200 U	500 U	500 U	250 U
Tetrachloroethene	200 U	500 U	500 U	250 U
Toluene	**28,000**	**52,000**	**56,000**	**49,000**
trans-1,2-Dichloroethene	200 U	500 U	500 U	250 U
trans-1,3-Dichloropropene	200 U	500 U	500 U	250 U
Trichloroethene	200 U	500 U	**820**	**690**
Trichlorofluoromethane	200 U	500 U	500 U	250 U
Vinyl chloride	**1,500**	**4,500**	**4,800**	**4,000**
Xylenes (total)	**2,500**	**3,970**	**4,800**	**4,500**
Semi-Volatile Organic Compounds (SVOCs) (µg/L)				
1,4-Dioxane	**720**	**630**	**910**	**960**
1,1'-Biphenyl	---	---	---	---
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	**1 J**	**1 J**
2,4-Dimethylphenol	**230 J**	**190 J**	**570**	**240**
2,4-Dinitrophenol	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U
2-Chlorophenol	**20**	**17**	**19**	**17**
2-Methylnaphthalene	5 U	5 U	5 U	5 U
2-Methylphenol	**370 J**	**260**	**740**	**370**
2-Nitroaniline	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U
3,4-Methylphenol	**1,800**	**960**	**2,300**	**1,000**
3,3-Dichlorobenzidine	10 U	10 U	10 U	10 U
3-Nitroaniline	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U
4-Nitroaniline	10 U	10 U	10 U	10 U
4-Nitrophenol	10 U	10 U	10 U	10 U
Acenaphthene	5 U	5 U	5 U	5 U
Acenaphthylene	5 U	5 U	5 U	5 U
Anthracene	5 U	5 U	5 U	5 U
Benzo[a]anthracene	5 U	5 U	5 U	5 U
Benzo[a]pyrene	5 U	5 U	5 U	5 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5 U

Table 4-10
Summary of Extraction Well Sample Results - EW-6
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/15/2015	10/21/2015	11/18/2015	12/9/2015
Benzo[k]fluoranthene	5 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	**1 J**	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U
Carbazole	5 U	5 U	5 U	5 U
Chrysene	5 U	5 U	5 U	5 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5 U
Dibenzofuran	5 U	5 U	5 U	5 U
Diethylphthalate	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	**1 J**
Di-n-octylphthalate	10 U	10 U	10 U	10 U
Fluoranthene	5 U	5 U	5 U	5 U
Fluorene	5 U	5 U	5 U	5 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5 U
Isophorone	10 U	10 U	10 U	10 U
Naphthalene	**4 J**	**4 J**	**37**	**4 J**
Nitrobenzene	10 U	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U
Pentachlorophenol	10 U	10 U	10 U	10 U
Phenanthrene	5 U	5 U	5 U	5 U
Phenol	**1,200**	**330**	**1,100**	**400**
Pyrene	5 U	5 U	5 U	5 U
Metals (mg/L)				
Aluminum	**0.0389 J**	0.2 U	**0.0288 J**	0.2 U
Antimony	0.06 U	0.06 U	0.06 U	0.06 U
Arsenic	**0.0115**	**0.0120**	**0.0116**	**0.0285**
Barium	**6.36**	**5.81**	**5.18**	**5.06**
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	**227**	**215**	**199**	**188**
Chromium	0.01 U	0.01 U	**0.0122**	0.01 U
Cobalt	0.05 U	0.05 U	0.05 U	0.05 U
Copper	**0.0025 J**	**0.0034 J**	0.025 U	**0.0031 J**
Iron	**0.299**	**0.369**	**0.39**	**1**
Lead	**0.0029 J**	**0.0104**	**0.0114**	**0.0198**
Magnesium	**39.7**	**39.1**	**33.6**	**32.5**

Table 4-10
Summary of Extraction Well Sample Results - EW-6
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/15/2015	10/21/2015	11/18/2015	12/9/2015
Manganese	**1.9**	**1.97**	**1.9**	**1.95**
Mercury	0.00020 U	0.00020 U	**0.000051 J**	0.00020 U
Nickel	0.04 U	**0.0027 J**	0.04 U	0.04 U
Potassium	**2.82 J**	**2.73 J**	**2.28 J**	**2.48 J**
Selenium	**0.0026 J**	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	0.01 U
Sodium	**31.5**	**33.4**	**37.2**	**24.9**
Thallium	0.01 U	**0.0082 J**	**0.0055 J**	**0.0086 J**
Vanadium	0.05 U	0.05 U	0.05 U	0.05 U
Zinc	**0.161**	**0.141**	**0.381**	**17.4**
Polychlorinated biphenyls (PCBs) (µg/L)				
Aroclor-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-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. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "---" designates compound was not analyzed for on that sampling date.
6. "J" designates compound is considered estimated.
7. Detections are bolded.

Table 4-10
Summary of Extraction Well Sample Results - EW-7
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/16/2015	11/18/2015	12/9/2015
Volatile Organic Compounds (VOCs) (µg/L)			
1,1,1,2-Tetrachloroethane	200 U	100 U	200 U
1,1,1-Trichloroethane	200 U	100 U	200 U
1,1,2,2-Tetrachloroethane	200 U	100 U	200 U
1,1,2-Trichloro-1,2,2-trifluoroethane	200 U	100 U	200 U
1,1,2-Trichloroethane	200 U	100 U	200 U
1,1-Dichloroethane	200 U	**190**	200 U
1,1-Dichloroethene	200 U	100 U	200 U
1,2,3-Trichlorobenzene	200 U	100 U	200 U
1,2,4-Trichlorobenzene	200 U	100 U	200 U
1,2-Dibromo-3-chloropropane	200 U	100 U	200 U
1,2-Dibromoethane	200 U	100 U	200 U
1,2-Dichlorobenzene	200 U	100 U	200 U
1,2-Dichloroethane	200 U	100 U	200 U
1,2-Dichloropropane	200 U	100 U	200 U
1,3-Dichlorobenzene	200 U	100 U	200 U
1,4-Dichlorobenzene	200 U	100 U	200 U
2-Butanone	200 U	100 U	200 U
2-Hexanone	1,000 U	500 U	1,000 U
4-Methyl-2-pentanone	200 U	**150**	200 U
Acetone	1,000 U	**770**	**930 J**
Benzene	**14,000**	**30,000**	**27,000**
Bromobenzene	200 U	100 U	200 U
Bromochloromethane	200 U	100 U	200 U
Bromodichloromethane	200 U	100 U	200 U
Bromoform	200 U	100 U	200 U
Bromomethane	200 U	100 U	200 U
Carbon disulfide	200 U	100 U	200 U
Carbon tetrachloride	200 U	100 U	200 U
Chlorobenzene	**3,300**	**5,700**	**5,400**
Chloroethane	200 U	100 U	200 U
Chloroform	200 U	100 U	200 U
Chloromethane	200 U	100 U	200 U
cis-1,2-Dichloroethene	**930**	**4,200**	**4,500**
cis-1,3-Dichloropropene	200 U	100 U	200 U
Cyclohexane	200 U	100 U	200 U
Dibromochloromethane	200 U	100 U	200 U
Dichlorodifluoromethane	200 U	100 U	200 U
Ethylbenzene	**260**	**490**	**460**
Isopropylbenzene	200 U	100 U	200 U
m,p-Xylene	**930**	**1,800**	**1,700**
Methyl acetate	200 U	100 U	200 U
Methyl tert-butyl ether	200 U	100 U	200 U
Methylcyclohexane	200 U	100 U	200 U

Table 4-10
Summary of Extraction Well Sample Results - EW-7
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/16/2015	11/18/2015	12/9/2015
Methylene chloride	200 U	100 U	200 U
o-Xylene	**290**	**540**	**540**
Styrene	200 U	100 U	200 U
Tetrachloroethene	200 U	100 U	200 U
Toluene	**14,000**	**30,000**	**28,000**
trans-1,2-Dichloroethene	200 U	100 U	200 U
trans-1,3-Dichloropropene	200 U	100 U	200 U
Trichloroethene	200 U	100 U	200 U
Trichlorofluoromethane	200 U	100 U	200 U
Vinyl chloride	**710**	**2,600**	**2,600**
Xylenes (total)	**1,220**	**2,340**	**2,240**
Semi-Volatile Organic Compounds (SVOCs) (µg/L)			
1,4-Dioxane	**880**	**530**	**950**
1,1'-Biphenyl	---	---	---
2,4,5-Trichlorophenol	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U
2,4-Dimethylphenol	**120**	**240**	**160 J**
2,4-Dinitrophenol	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U
2-Chloronaphthalene	5 U	5 U	5 U
2-Chlorophenol	**1 J**	**2 J**	**2 J**
2-Methylnaphthalene	5 U	5 U	5 U
2-Methylphenol	**51**	**53**	**64**
2-Nitroaniline	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U
3,4-Methylphenol	**700**	**800**	**630**
3,3-Dichlorobenzidine	10 U	10 U	10 U
3-Nitroaniline	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U
4-Nitroaniline	10 U	10 U	10 U
4-Nitrophenol	10 U	10 U	10 U
Acenaphthene	5 U	5 U	5 U
Acenaphthylene	5 U	5 U	5 U
Anthracene	5 U	5 U	5 U
Benzo[a]anthracene	5 U	5 U	5 U
Benzo[a]pyrene	5 U	5 U	5 U
Benzo[b]fluoranthene	5 U	5 U	5 U
Benzo[g,h,i]perylene	5 U	5 U	5 U

Table 4-10
Summary of Extraction Well Sample Results - EW-7
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/16/2015	11/18/2015	12/9/2015
Benzo[k]fluoranthene	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U
Carbazole	5 U	5 U	5 U
Chrysene	5 U	5 U	5 U
Dibenz[a,h]anthracene	5 U	5 U	5 U
Dibenzofuran	5 U	5 U	5 U
Diethylphthalate	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U
Fluoranthene	5 U	5 U	5 U
Fluorene	5 U	5 U	5 U
Hexachlorobenzene	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U
Isophorone	10 U	10 U	10 U
Naphthalene	**2 J**	**16**	**2 J**
Nitrobenzene	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U
n-Nitrosodiphenylamine	10 U	10 U	10 U
Pentachlorophenol	10 U	10 U	10 U
Phenanthrene	5 U	5 U	5 U
Phenol	**47**	**32**	**33**
Pyrene	5 U	5 U	5 U
Metals (mg/L)			
Aluminum	0.2 U	**0.0238 J**	0.2 U
Antimony	0.06 U	0.06 U	**0.0053 J**
Arsenic	0.01 U	**0.0048 J**	**0.0073 J**
Barium	**4.81**	**4.63**	**4**
Beryllium	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.0025 U	0.0025 U	0.0025 U
Calcium	**205**	**184**	**175**
Chromium	0.01 U	**0.0151**	0.01 U
Cobalt	0.05 U	0.05 U	0.05 U
Copper	**0.0169 J**	0.025 U	**0.0036 J**
Iron	**0.511**	**0.381**	**0.548**
Lead	**0.0067**	**0.0103**	**0.0176**
Magnesium	**54.1**	**48.8**	**47.3**

Table 4-10
Summary of Extraction Well Sample Results - EW-7
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/16/2015	11/18/2015	12/9/2015
Manganese	**0.83**	**0.775**	**0.818**
Mercury	0.00020 U	**0.000052 J**	0.00020 U
Nickel	0.04 U	0.04 U	0.04 U
Potassium	**2.68 J**	**2.62 J**	**2.36 J**
Selenium	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U
Sodium	**21.1**	**23.2**	**24.2**
Thallium	0.01 U	0.01 U	0.01 U
Vanadium	0.05 U	0.05 U	0.05 U
Zinc	**0.367**	**0.0361**	**0.237**
Polychlorinated biphenyls (PCBs) (µg/L)			
Aroclor-1016	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0500 U	0.0500 U
Aroclor-1254	0.0500 U	0.0500 U	0.0500 U
Aroclor-1260	0.0500 U	0.0500 U	0.0500 U
Total PCBs	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. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "J" designates compound is considered estimated.
6. "---" designates compound was not analyzed for on that sampling date.
7. Detections are bolded.

Table 4-10
Summary of Extraction Well Sample Results - EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/17/2015	7/8/2015	8/12/2015	9/16/2015	11/18/2015
Volatile Organic Compounds (VOCs) (µg/L)					
1,1,1,2-Tetrachloroethane	1 U	1 U	1 U	1 U	10 U
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U	10 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 U	10 U
1,1,2-Trichloro-1,2,2-trifluoroethane	1 U	1 U	1 U	1 U	10 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U	10 U
1,1-Dichloroethane	1 U	1 U	**2**	**2**	10 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U	10 U
1,2,3-Trichlorobenzene	1 U	1 U	1 U	**1**	10 U
1,2,4-Trichlorobenzene	1 U	1 U	**2**	**4**	10 U
1,2-Dibromo-3-chloropropane	1 U	1 U	1 U	1 U	10 U
1,2-Dibromoethane	1 U	1 U	1 U	1 U	10 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U	10 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U	10 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U	10 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U	10 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U	10 U
2-Butanone	1 U	1 U	1 U	1 U	10 U
2-Hexanone	5 U	5 U	5 U	5 U	50 U
4-Methyl-2-pentanone	1 U	**3**	**4**	**5**	10 U
Acetone	**2 J**	**13**	**19**	**24**	**27 J**
Benzene	**370**	**1,400**	**1,800**	**1,900**	**1,800**
Bromobenzene	1 U	1 U	1 U	1 U	10 U
Bromochloromethane	1 U	1 U	1 U	1 U	10 U
Bromodichloromethane	1 U	1 U	1 U	1 U	10 U
Bromoform	1 U	1 U	1 U	1 U	10 U
Bromomethane	1 U	1 U	1 U	1 U	10 U
Carbon disulfide	1 U	1 U	1 U	1 U	10 U
Carbon tetrachloride	1 U	1 U	1 U	1 U	10 U
Chlorobenzene	**19**	**62**	**120**	**140**	**85**
Chloroethane	**1**	**3**	**5**	**6**	10 U
Chloroform	1 U	1 U	1 U	1 U	10 U
Chloromethane	1 U	1 U	1 U	1 U	10 U
cis-1,2-Dichloroethene	1 U	1 U	**10**	**18**	10 U
cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U	10 U
Cyclohexane	1 U	1 U	1 U	1 U	10 U
Dibromochloromethane	1 U	1 U	1 U	1 U	10 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U	10 U
Ethylbenzene	**1**	**3**	**8**	**9**	10 U
Isopropylbenzene	1 U	1 U	1 U	1 U	10 U
m,p-Xylene	**2**	**9**	**23**	**28**	**13**
Methyl acetate	1 U	1 U	1 U	1 U	10 U
Methyl tert-butyl ether	1 U	1 U	1 U	1 U	10 U
Methylcyclohexane	1 U	1 U	1 U	1 U	10 U

Table 4-10
Summary of Extraction Well Sample Results - EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/17/2015	7/8/2015	8/12/2015	9/16/2015	11/18/2015
Methylene chloride	1 U	1 U	1 U	**1**	10 U
o-Xylene	1 U	**2**	**7**	**9**	10 U
Styrene	1 U	1 U	1 U	1 U	10 U
Tetrachloroethene	1 U	1 U	1 U	1 U	10 U
Toluene	**36**	**78**	**410**	**400**	**200**
trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U	10 U
trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U	10 U
Trichloroethene	1 U	1 U	**14**	**9**	10 U
Trichlorofluoromethane	1 U	1 U	1 U	1 U	10 U
Vinyl chloride	1 U	1 U	**5**	**6**	10 U
Xylenes (total)	**2**	**11**	**30**	**37**	**13**
Semi-Volatile Organic Compounds (SVOCs) (µg/L)					
1,4-Dioxane	**26**	**66**	**89**	**110**	**67**
1,1'-Biphenyl	---	---	---	---	---
2,4,5-Trichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10 U	**1 J**	10 U	**2 J**	**2 J**
2,4-Dinitrophenol	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	5 U	5 U	5 U	5 U	5 U
2-Chlorophenol	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	5 U	5 U	5 U	5 U	5 U
2-Methylphenol	10 U	10 U	**2 J**	**7 J**	**1 J**
2-Nitroaniline	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	10 U	10 U	10 U	10 U	10 U
3,4-Methylphenol	20 U	**3 J**	**5 J**	**3 J**	**4 J**
3,3-Dichlorobenzidine	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	10 U	10 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	10 U	10 U	10 U	10 U	10 U
Acenaphthene	5 U	5 U	5 U	5 U	5 U
Acenaphthylene	5 U	5 U	5 U	5 U	5 U
Anthracene	5 U	5 U	5 U	5 U	5 U
Benzo[a]anthracene	5 U	5 U	5 U	5 U	5 U
Benzo[a]pyrene	5 U	5 U	5 U	5 U	5 U
Benzo[b]fluoranthene	5 U	5 U	5 U	5 U	5 U
Benzo[g,h,i]perylene	5 U	5 U	5 U	5 U	5 U

Table 4-10
Summary of Extraction Well Sample Results - EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/17/2015	7/8/2015	8/12/2015	9/16/2015	11/18/2015
Benzo[k]fluoranthene	5 U	5 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U
Carbazole	5 U	5 U	5 U	5 U	5 U
Chrysene	5 U	5 U	5 U	5 U	5 U
Dibenz[a,h]anthracene	5 U	5 U	5 U	5 U	5 U
Dibenzofuran	5 U	5 U	5 U	5 U	5 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U
Fluoranthene	5 U	5 U	5 U	5 U	5 U
Fluorene	5 U	5 U	5 U	5 U	5 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	5 U	5 U	5 U	5 U	5 U
Isophorone	10 U	10 U	10 U	10 U	10 U
Naphthalene	5 U	5 U	5 U	5 U	5 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U
n-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	10 U	10 U	10 U	10 U	10 U
Phenanthrene	5 U	5 U	5 U	5 U	5 U
Phenol	**3 J**	**5 J**	**4 J**	**8 J**	**1 J**
Pyrene	5 U	5 U	5 U	5 U	5 U
Metals (mg/L)					
Aluminum	**0.698**	**0.155 J**	**0.0740 J**	**0.0192 J**	**0.0392 J**
Antimony	0.06 U	0.06 U	0.06 U	0.06 U	0.06 U
Arsenic	**0.0041 J**	**0.0055 J**	**0.0023 J**	**0.0035 J**	0.01 U
Barium	**0.25**	**0.336**	**0.328**	**0.279**	**0.247**
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	**14.3**	**19.7**	**20.3**	**18.4**	**16.1**
Chromium	**0.0013 J**	0.01 U	**0.0014 J**	**0.0011 J**	0.01 U
Cobalt	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Copper	**0.0066 J**	**0.0107 J**	0.025 U	**0.0013 J**	0.025 U
Iron	**0.578**	**0.254**	**0.0743 J**	**0.0357 J**	0.1 U
Lead	**0.0199**	**0.0056**	**0.0068**	**0.0043 J**	**0.0042 J**
Magnesium	**1.72**	**2.15**	**1.89**	**1.86**	**1.42**

Table 4-10
Summary of Extraction Well Sample Results - EW-8
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	6/17/2015	7/8/2015	8/12/2015	9/16/2015	11/18/2015
Manganese	**0.631**	**0.619**	**0.358**	**0.274**	**0.215**
Mercury	0.00020 U	**0.000054 J**	0.00020 U	**0.00010 J**	**0.000060 J**
Nickel	0.04 U	0.04 U	0.04 U	0.04 U	0.04 U
Potassium	**1.15 J**	**0.929 J**	**0.812 J**	**1.04 J**	**1.04 J**
Selenium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.01 U	0.01 U	0.01 U	**0.0032 J**	0.01 U
Sodium	**89.9**	**127**	**175**	**177**	**158**
Thallium	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Zinc	**0.0902**	**0.0965**	**0.0192 J**	**0.0068 J**	**0.0097 J**
Polychlorinated biphenyls (PCBs) (µg/L)					
Aroclor-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1254	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-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. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "J" designates compound is considered estimated.
6. "---" designates compound was not analyzed for on that sampling date.
7. Detections are bolded.

Table 4-11
Summary of Leachate Collection Tank Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015*		2/11/2015	5/6/2015	8/12/2015	11/18/2015
Volatile Organic Compounds (VOCs) (µg/L)						
1,1,1,2-Tetrachloroethane	200 U	200 U	100 U	1 U	1 U	100 U
1,1,1-Trichloroethane	200 U	200 U	100 U	1 U	1 U	100 U
1,1,2,2-Tetrachloroethane	200 U	200 U	100 U	**5**	**4**	100 U
1,1,2-Trichloro-1,2,2-trifluoroethane	200 U	200 U	100 U	1 U	1 U	100 U
1,1,2-Trichloroethane	200 U	200 U	100 U	**1**	1 U	100 U
1,1-Dichloroethane	**116 J**	**118 J**	**80.2 J**	**130**	**86**	**160**
1,1-Dichloroethene	200 U	200 U	100 U	**3**	**1**	100 U
1,2,3-Trichlorobenzene	200 U	200 U	100 U	**11**	**8**	100 U
1,2,4-Trichlorobenzene	200 U	200 U	100 U	**2**	**2**	100 U
1,2-Dibromo-3-chloropropane	200 U	200 U	100 U	1 U	1 U	100 U
1,2-Dibromoethane	200 U	200 U	100 U	1 U	1 U	100 U
1,2-Dichlorobenzene	200 U	200 U	100 U	**12**	**13**	100 U
1,2-Dichloroethane	200 U	200 U	100 U	**28**	1 U	100 U
1,2-Dichloropropane	200 U	200 U	100 U	1 U	1 U	100 U
1,3-Dichlorobenzene	200 U	200 U	100 U	**18**	**21**	100 U
1,4-Dichlorobenzene	**160 J**	**167 J**	**108**	**120**	**110**	**150**
2-Butanone	**145 J**	**140 J**	500 U	1 U	1 U	100 U
2-Hexanone	1,000 U	1,000 U	500 U	5 U	5 U	500 U
4-Methyl-2-pentanone	1,000 U	1,000 U	500 U	**94**	**54**	**130**
Acetone	2,000 U	2,000 U	1,000 U	1,000 U	**170**	**910**
Benzene	**16,700**	**17,200**	**16,900**	**18,000**	**14,000**	**17,000**
Bromobenzene	200 U	200 U	100 U	1 U	1 U	100 U
Bromochloromethane	200 U	200 U	100 U	1 U	1 U	100 U
Bromodichloromethane	200 U	200 U	100 U	1 U	1 U	100 U
Bromoform	200 U	200 U	100 U	1 U	1 U	100 U
Bromomethane	200 U	200 U	100 U	1 U	1 U	100 U
Carbon disulfide	200 U	200 U	100 U	1 U	1 U	100 U
Carbon tetrachloride	200 U	200 U	100 U	1 U	1 U	100 U
Chlorobenzene	**9,660**	**10,100**	**6,290**	**8,000**	**7,300**	**8,700**
Chloroethane	200 U	200 U	100 U	**89**	**74**	100 U
Chloroform	200 U	200 U	100 U	**6**	**3**	100 U
Chloromethane	200 U	200 U	100 U	1 U	1 U	100 U
cis-1,2-Dichloroethene	**3,430**	**3,520**	**2,270**	**4,400**	**3,000**	**5,100**
cis-1,3-Dichloropropene	200 U	200 U	100 U	1 U	1 U	100 U
Cyclohexane	200 U	200 U	100 U	**35**	**36**	100 U
Dibromochloromethane	200 U	200 U	100 U	1 U	1 U	100 U
Dichlorodifluoromethane	200 U	200 U	100 U	1 U	1 U	100 U
Ethylbenzene	**838**	**881**	**517**	**660**	**580**	**800**
Isopropylbenzene	200 U	200 U	100 U	**13**	**14**	100 U
m,p-Xylene	**3,580**	**3,630**	**2,200**	**2,900**	**2,600**	**3,300**
Methyl acetate	200 U	200 U	100 U	1 U	1 U	100 U
Methyl tert-butyl ether	200 U	200 U	100 U	**4**	1 U	100 U
Methylcyclohexane	200 U	200 U	100 U	**3**	**2**	100 U

Table 4-11
Summary of Leachate Collection Tank Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015*		2/11/2015	5/6/2015	8/12/2015	11/18/2015
Methylene chloride	200 U	200 U	100 U	1 U	**1**	100 U
o-Xylene	**811**	**827**	**489**	**600**	**520**	**810**
Styrene	200 U	200 U	100 U	1 U	1 U	100 U
Tetrachloroethene	200 U	200 U	100 U	1 U	1 U	100 U
Toluene	**30,000**	**27,200**	**26,100**	**30,000**	**21,000**	**29,000**
trans-1,2-Dichloroethene	200 U	200 U	100 U	**33**	**30**	100 U
trans-1,3-Dichloropropene	200 U	200 U	100 U	1 U	1 U	100 U
Trichloroethene	200 U	200 U	100 U	**2**	1 U	**100**
Trichlorofluoromethane	200 U	200 U	100 U	1 U	1 U	100 U
Vinyl chloride	**1,650**	**1,680**	**1,160**	**2,100**	**1,800**	**2,600**
Xylenes (total)	**4,391**	**4,457**	**2,689**	**3,500**	**3,120**	**4,110**
Semi-Volatile Organic Compounds (SVOCs) (µg/L)						
1,4-Dioxane	**800**	**820**	**720**	**690**	**680**	**800**
1,1'-Biphenyl	18.7 U	18.7 U	18.7 U	---	---	---
2,4,5-Trichlorophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dichlorophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dimethylphenol	**183**	**197**	**172**	**160 J**	**240**	**200**
2,4-Dinitrophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,4-Dinitrotoluene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2,6-Dinitrotoluene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2-Chloronaphthalene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
2-Chlorophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	**3 J**
2-Methylnaphthalene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
2-Methylphenol	**36.0**	**39.8**	**38.8**	**55**	**41**	**47**
2-Nitroaniline	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
2-Nitrophenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
3,4-Methylphenol	**615**	**630**	**672**	**530**	**710**	**460**
3,3-Dichlorobenzidine	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
3-Nitroaniline	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4,6-Dinitro-2-methylphenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Chloroaniline	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Nitroaniline	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
4-Nitrophenol	**4.02 J**	18.7 U	18.7 U	10 U	10 U	10 U
Acenaphthene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Acenaphthylene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Anthracene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[a]anthracene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[a]pyrene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[b]fluoranthene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Benzo[g,h,i]perylene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U

Table 4-11
Summary of Leachate Collection Tank Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015*		2/11/2015	5/6/2015	8/12/2015	11/18/2015
Benzo[k]fluoranthene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
bis(2-Chloroethoxy)methane	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Chloroisopropyl)ether	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	18.7 U	18.7 U	18.7 U	**1 J**	10 U	10 U
Butylbenzylphthalate	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Carbazole	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Chrysene	9.35 U	9.35 U	9.35 U	10 U	5 U	5 U
Dibenz[a,h]anthracene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Dibenzofuran	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Diethylphthalate	18.7 U	18.7 U	**9.35 J**	**2 J**	**1 J**	**2 J**
Dimethylphthalate	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Di-n-butylphthalate	**2.78 J**	**2.91 J**	18.7 U	**3 J**	**3 J**	10 U
Di-n-octylphthalate	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Fluoranthene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Fluorene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Hexachlorobenzene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Hexachlorobutadiene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Hexachloroethane	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Indeno[1,2,3-cd]pyrene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Isophorone	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Naphthalene	**7.91 J**	**9.13 J**	**8.60 J**	**13**	**9**	**34**
Nitrobenzene	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
n-Nitroso-di-n-propylamine	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
n-Nitrosodiphenylamine	18.7 U	18.7 U	18.7 U	10 U	10 U	10 U
Pentachlorophenol	18.7 U	18.7 U	18.7 U	25 U	10 U	10 U
Phenanthrene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Phenol	**5.68 J**	**6.70 J**	**8.72 J**	**24**	**15**	**17**
Pyrene	9.35 U	9.35 U	9.35 U	5 U	5 U	5 U
Metals (mg/L)						
Aluminum	**0.0220 J**	**0.0207 J**	**0.0156 J**	**0.00321 J**	**0.0736 J**	**0.0307 J**
Antimony	0.00500 U	0.00500 U	0.00500 U	0.060 U	0.060 U	**0.0096 J**
Arsenic	**0.0655**	**0.0682**	**0.0666**	**0.0668**	**0.0636**	**0.0670**
Barium	**2.30**	**2.31**	**2.26**	**2.20**	**2.27**	**2.25**
Beryllium	0.00400 U	0.00400 U	0.00400 U	0.0050 U	0.0050 U	0.0050 U
Cadmium	0.00400 U	0.00400 U	0.00400 U	0.0025 U	**0.0018 J**	0.0025 U
Calcium	**141**	**141**	**140**	**141**	**138**	**141**
Chromium	**0.00441 J**	**0.00475 J**	**0.00440 J**	**0.0106**	**0.0161**	**0.0154**
Cobalt	**0.00507**	**0.00484 J**	**0.00528**	**0.0048 J**	**0.0045 J**	**0.0049 J**
Copper	0.00500 U	0.00500 U	0.00500 U	**0.0098 J**	**0.0115 J**	**0.0142 J**
Iron	**33.9**	**34.2**	**34.0**	**32.9**	**32.5**	**28.7**
Lead	0.00500 U	**0.00754**	**0.00281 J**	**0.0037 J**	**0.0249**	**0.0158**
Magnesium	**30.7**	**31.0**	**30.7**	**30.6**	**30.4**	**30.0**

Table 4-11
Summary of Leachate Collection Tank Sample Results
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Parameters	1/14/2015*		2/11/2015	5/6/2015	8/12/2015	11/18/2015
Manganese	**13.5**	**13.5**	**13.4**	**15.3**	**15.3**	**15.4**
Mercury	---	---	---	0.0002 U	0.00020 U	0.00020 U
Nickel	**0.00171 J**	**0.00150 J**	**0.00128 J**	0.040 U	0.040 U	0.040 U
Potassium	**2.50**	**2.52**	**2.41**	**2.36 J**	**2.62 J**	**2.71 J**
Selenium	**0.00656 J**	**0.00760 J**	**0.00654 J**	0.010 U	0.010 U	0.010 U
Silver	0.00700 U	**0.00100 J**	0.00700 U	**0.0115**	**0.0045 J**	0.010 U
Sodium	**34.7**	**34.7**	**35.1**	**33.4**	**35.0**	**34.0**
Thallium	**0.0202**	**0.0203**	**0.0225**	**0.0062 J**	0.010 U	**0.0549**
Vanadium	0.00500 U	**0.000857 J**	**0.00107 J**	0.050 U	0.050 U	0.050 U
Zinc	**0.0430**	**0.111**	**0.0405**	**0.0572**	**0.110**	**0.0517**
Polychlorinated Biphenyls (PCBs) (µg/L)						
Aroclor-1016	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1221	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1232	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U	0.0500 U
Aroclor-1242	0.0500 U	0.0500 U	**0.111**	0.0500 U	0.0500 U	0.0500 U
Aroclor-1248	0.0500 U	0.0500 U	0.0500 U	0.0500 U	**0.0756**	0.0500 U
Aroclor-1254	**0.110**	**0.179**	**0.106**	**0.111**	0.0500 U	0.0500 U
Aroclor-1260	**0.166**	**0.160**	**0.155**	**0.0848**	**0.102**	**0.410**
Total PCBs	**0.276**	**0.339**	**0.372**	**0.1958**	**0.1776**	**0.410**

Notes:

1. Results reported in micrograms per liter (µg/L) except metals, which are in milligrams per liter (mg/L).
2. "*" designates a blind duplicate sample was collected, and is also reported.
3. VOCs, SVOCs, metals, mercury and PCBs were analyzed by United States Environmental Protection Agency (USEPA) SW-846 Methods 8260C, 8270D, 6010C, 7470A and 8082B, respectively, by Pace Analytical Services in Schenectady, New York (January, February and PCB data) and in Melville, New York (May, August and November data). 1,4-Dioxane analyzed by USEPA SW-846 Methods 8270D selective ion method (SIM) by ALS Environmental of Rochester, New York.
4. "U" designates the result is not detected at reported practial quantitation limit.
5. "J" designates compound is considered estimated.
6. "---" designates compound was not analyzed for on that sampling date.
7. 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	NYSDOH Well 1				NYSDOH Well 23			
Sample ID	1-INLET-021915	1-INLET-052615	1-INLET-081915	1-INLET-111115	23-INLET-021915	23-INLET-052615	23-INLET-081915	23-INLET-111115
Compound / Date	2/19/2015	5/26/2015	8/19/2015	11/11/2015	2/19/2015	5/26/2015	8/19/2015	11/11/2015
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-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-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-Dichloroethane	**0.35 J**	**0.53**	**0.32 J**	**0.29 J**	0.50 U	**0.77**	0.50 U	**0.36 J**
1,1-Dichloroethene	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	**0.62**	0.50 U	**0.24 J**
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	**0.15 J**	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-Dibromo-3-chloropropane[a]	---	0.020 U	---	---	---	0.020 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-Dibromoethane[a]	---	0.020 U	---	---	---	0.020 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	**0.33 J**	**1.6**	**0.36 J**	**0.74**
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
1,3-Dichloropropene (total)	---	1.0 U	---	---	---	1.0 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	2.5 U	5.0 U	5.0 U	5.0 U	62.5 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	2.5 U	5.0 U	5.0 U	5.0 U	2.5 U	5.0 U	5.0 U
2-Methyl-2-propanol	20 U	**3.3 J**	20 U	20 U	20 U	5.0 U	20 U	20 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	2.5 U	5.0 U	5.0 U	5.0 U	2.5 U	5.0 U	5.0 U
Acetone	5.0 U	**4.9 J**	**2.0 J**	**2.5 J**	5.0 U	5.0 U	**2.1 J**	**2.0 J**
Benzene	0.50 U	**0.12 J**	0.50 U	0.50 U	**1.9**	**8.0**	**0.9**	**3.3**
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

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	NYSDOH Well 1				NYSDOH Well 23			
Sample ID	1-INLET-021915	1-INLET-052615	1-INLET-081915	1-INLET-111115	23-INLET-021915	23-INLET-052615	23-INLET-081915	23-INLET-111115
Compound / Date	2/19/2015	5/26/2015	8/19/2015	11/11/2015	2/19/2015	5/26/2015	8/19/2015	11/11/2015
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	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	**1.5**	**1.5**	**0.41 J**	**0.30 J**	0.50 U	**0.54**	0.50 U	**0.25 J**
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	**0.28 J**	**0.38 J**	0.50 U	0.50 U	**0.37 J**	0.50 U
cis-1,2-Dichloroethene	0.50 U	0.50 U	0.50 U	0.50 U	**1.5**	**6.5**	**1.4**	**3.4**
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
Cyclohexane	---	0.50 U	---	---	---	12.5 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
Freon 123	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
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
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
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
m,p-Xylene	1.0 U	0.50 U	1.0 U	1.0 U	1.0 U	0.50 U	1.0 U	1.0 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
p-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
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-Amyl alcohol	---	5.0 U	---	---	---	5.0 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	**0.19 J**	0.50 U	0.50 U
Tetrahydrofuran	2.0 U	2.5 U	2.0 U	2.0 U	2.0 U	2.5 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	**25**	**139**	**30**	**64**
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
Xylenes (total)	---	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

Location ID	NYSDOH Well 1				NYSDOH Well 23			
Sample ID	1-INLET-021915	1-INLET-052615	1-INLET-081915	1-INLET-111115	23-INLET-021915	23-INLET-052615	23-INLET-081915	23-INLET-111115
Compound / Date	2/19/2015	5/26/2015	8/19/2015	11/11/2015	2/19/2015	5/26/2015	8/19/2015	11/11/2015
1,4-Dioxane [b]	---	**1.0**	---	**0.58**	---	**0.030 J**	---	**0.039 J/0.033J**

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 Enviromental Protection Agency (USEPA) Method 524.2 and USEPA SW-846 Method 8270D selective ion method (SIM), respectively, by ALS Enviromental in Rochester, New York or in Middletown, Pennsylvania (May VOCs only).
4. Compounds flagged with "[a]" were analyzed by both USEPA Method 524.2 and USEPA Method 504.1. Both results are reported.
5. "U" designates compound is not detected at the reported practical quantitation limit.
6. "J" designates result is considered estimated.
7. "---" designates compound was not analyzed for in that sample.
8. "[b]" designates parent sample and blind duplicate sample results are both presented, as applicable.
9. Detects 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	NYSDOH Well 24D				NYSDOH Well 24S		
Sample ID	24D-INLET-021915	24D-INLET-052615	24D-INLET-081915	24D-INLET-111115	24S-INLET-052615	24S-INLET-081915	24S-INLET-111115
Compound / Date	2/19/2015	5/26/2015	8/19/2015	11/11/2015	5/26/2015	8/19/2015	11/11/2015
1,1,1,2-Tetrachloroethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,1,1-Trichloroethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,1,2,2-Tetrachloroethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,1,2-Trichloroethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,1,2-Trichloro-1,2,2-trifluoroethane	10 U	0.50 U	10 U	10 U	---	5.0 U	5.0 U
1,1-Dichloroethane	10 U	**3.4**	10 U	10 U	**3.6**	**2.9 J**	**2.7 J**
1,1-Dichloroethene	10 U	**2.6**	10 U	10 U	**1.9**	5.0 U	5.0 U
1,1-Dichloropropene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,2,3-Trichlorobenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,2,3-Trichloropropane	10 U	0.50 U	**10 U**	10 U	0.50 U	5.0 U	5.0 U
1,2,4-Trichlorobenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,2,4-Trimethylbenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,2-Dibromo-3-chloropropane[a]	---	0.020 U	---	---	0.020 U	---	---
1,2-Dibromoethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,2-Dibromoethane[a]	---	0.020 U	---	---	0.020 U	---	---
1,2-Dichlorobenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,2-Dichloroethane	**7.0 J**	**7.8**	**6.8 J**	**5.4 J**	**7.9**	**6.7**	**5.1**
1,2-Dichloropropane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,3,5-Trimethylbenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,3-Dichlorobenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,3-Dichloropropane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
1,3-Dichloropropene (total)	---	1.0 U	---	---	1.0 U	---	---
1,4-Dichlorobenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
2,2-Dichloropropane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
2-Butanone	100 U	2.5 U	100 U	100 U	2.5 U	50 U	50 U
2-Chlorotoluene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
2-Hexanone	100 U	2.5 U	100 U	100 U	2.5 U	50 U	50 U
2-Methyl-2-propanol	400 U	**1.8 J**	400 U	400 U	**5.6**	200 U	200 U
4-Chlorotoluene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
4-Methyl-2-pentanone	100 U	2.5 U	100 U	100 U	2.5 U	50 U	50 U
Acetone	100 U	**7.0**	100 U	100 U	**4.6 J**	50 U	50 U
Benzene	**43**	0.50 U	**37**	**38**	**32.6**	**20**	**32**
Bromobenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Bromochloromethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Bromodichloromethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	**2.6 J**
Bromoform	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U

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	NYSDOH Well 24D				NYSDOH Well 24S		
Sample ID	24D-INLET-021915	24D-INLET-052615	24D-INLET-081915	24D-INLET-111115	24S-INLET-052615	24S-INLET-081915	24S-INLET-111115
Compound / Date	2/19/2015	5/26/2015	8/19/2015	11/11/2015	5/26/2015	8/19/2015	11/11/2015
Bromomethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Carbon tetrachloride	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Chlorobenzene	**5.0 J**	**4.7**	**4.0 J**	**4.4 J**	**1.7**	5.0 U	**2.4 J**
Chloroethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Chloroform	10 U	**0.44 J**	10 U	10 U	**22.7**	**8.8**	5.0 U
Chloromethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
cis-1,2-Dichloroethene	**26**	**32.0**	**25**	**24**	**55.2**	**49**	**61**
cis-1,3-Dichloropropene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Cyclohexane	---	0.50 U	---	---	0.50 U	---	---
Dibromochloromethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Dibromomethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Dichlorodifluoromethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Ethylbenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Freon 123	10 U	---	10 U	10 U	0.50 U	5.0 U	5.0 U
Hexachlorobutadiene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Isopropylbenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Methyl tert-butyl ether	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Methylene chloride	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
n-Butylbenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
n-Propylbenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Naphthalene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
m,p-Xylene	20 U	0.50 U	20 U	20 U	0.50 U	10 U	10 U
o-Xylene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
p-Isopropyltoluene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
sec-Butylbenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Styrene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
tert-Amyl alcohol	---	5.0 U	---	---	5.0 U	---	---
tert-Butylbenzene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Tetrachloroethene	10 U	**1.5**	10 U	10 U	0.50 U	5.0 U	5.0 U
Tetrahydrofuran	40 U	2.5 U	**14 J**	40 U	**6.9**	20 U	20 U
Toluene	10 U	**3.9**	10 U	10 U	**0.51**	5.0 U	5.0 U
trans-1,2-Dichloroethene	10 U	0.50 U	10 U	10 U	**86.5**	**70**	**120**
trans-1,3-Dichloropropene	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Trichloroethene	**690**	**715**	**620**	**680**	**295**	**290**	**220**
Trichlorofluoromethane	10 U	0.50 U	10 U	10 U	0.50 U	5.0 U	5.0 U
Vinyl chloride	10 U	**0.67**	10 U	10 U	**0.65**	5.0 U	5.0 U
Xylenes (total)	---	0.50 U	---	---	0.50 U	5.0 U	5.0 U

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	NYSDOH Well 24D				NYSDOH Well 24S		
Sample ID	24D-INLET-021915	24D-INLET-052615	24D-INLET-081915	24D-INLET-111115	24S-INLET-052615	24S-INLET-081915	24S-INLET-111115
Compound / Date	2/19/2015	5/26/2015	8/19/2015	11/11/2015	5/26/2015	8/19/2015	11/11/2015
1,4-Dioxane [b]	---	**0.075 J**	---	**0.074 J**	**0.15 J**	---	**0.085 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 Enviromental Protection Agency (USEPA) Method 524.2 and USEPA SW-846 Method 8270D selective ion method (SIM), respectively, by ALS Enviromental in Rochester, New York or in Middletown, Pennsylvania (May VOCs only).
4. Compounds flagged with "[a]" were analyzed by both USEPA Method 524.2 and USEPA Method 504.1. Both results are reported.
5. "U" designates compound is not detected at the reported practical quantitation limit.
6. "J" designates result is considered estimated.
7. "---" designates compound was not analyzed for in that sample.
8. "[b]" designates parent sample and blind duplicate sample results are both presented, as applicable.
9. Detects 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	NYSDOH Well 25			
Sample ID	25-INLET-021915	25-INLET-052615	25-INLET-081915	25-INLET-111115
Compound / Date	2/19/2015	5/26/2015	8/19/2015	11/11/2015
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-Trichloroethane	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-Dichloroethane	0.50 U	**0.21 J**	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-Dibromo-3-chloropropane[a]	---	0.020 U	---	---
1,2-Dibromoethane	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dibromoethane[a]	---	0.020 U	---	---
1,2-Dichlorobenzene	0.50 U	0.50 U	0.50 U	0.50 U
1,2-Dichloroethane	**0.27 J**	**0.36 J**	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
1,3-Dichloropropene (total)	---	1.0 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	12.5 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	2.5 U	5.0 U	5.0 U
2-Methyl-2-propanol	20 U	**7.6**	20 U	20 U
4-Chlorotoluene	0.50 U	0.50 U	0.50 U	0.50 U
4-Methyl-2-pentanone	5.0 U	2.5 U	5.0 U	5.0 U
Acetone	5.0 U	**4.8 J**	**3.2 J**	5.0 U
Benzene	**1.5**	**1.9**	**0.56**	0.50 U
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

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	NYSDOH Well 25			
Sample ID	25-INLET-021915	25-INLET-052615	25-INLET-081915	25-INLET-111115
Compound / Date	2/19/2015	5/26/2015	8/19/2015	11/11/2015
Bromomethane	0.50 U	0.50 U	0.50 U	0.50 U
Carbon tetrachloride	0.50 U	0.50 U	0.50 U	0.50 U
Chlorobenzene	0.50 U	**0.22 J**	0.50 U	0.50 U
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	0.50 U	0.50 U	**0.45 J**	0.50 U
cis-1,2-Dichloroethene	**1.0**	**1.4**	**0.54**	0.50 U
cis-1,3-Dichloropropene	0.50 U	0.50 U	0.50 U	0.50 U
Cyclohexane	---	2.5 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
Freon 123	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
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
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
Naphthalene	0.50 U	0.50 U	0.50 U	0.50 U
m,p-Xylene	1.0 U	0.50 U	1.0 U	1.0 U
o-Xylene	0.50 U	0.50 U	0.50 U	0.50 U
p-Isopropyltoluene	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-Amyl alcohol	---	**2.3 J**	---	---
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	2.5 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	**22**	**26.6**	**8.1**	**2.6**
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
Xylenes (total)	---	0.50 U	---	---

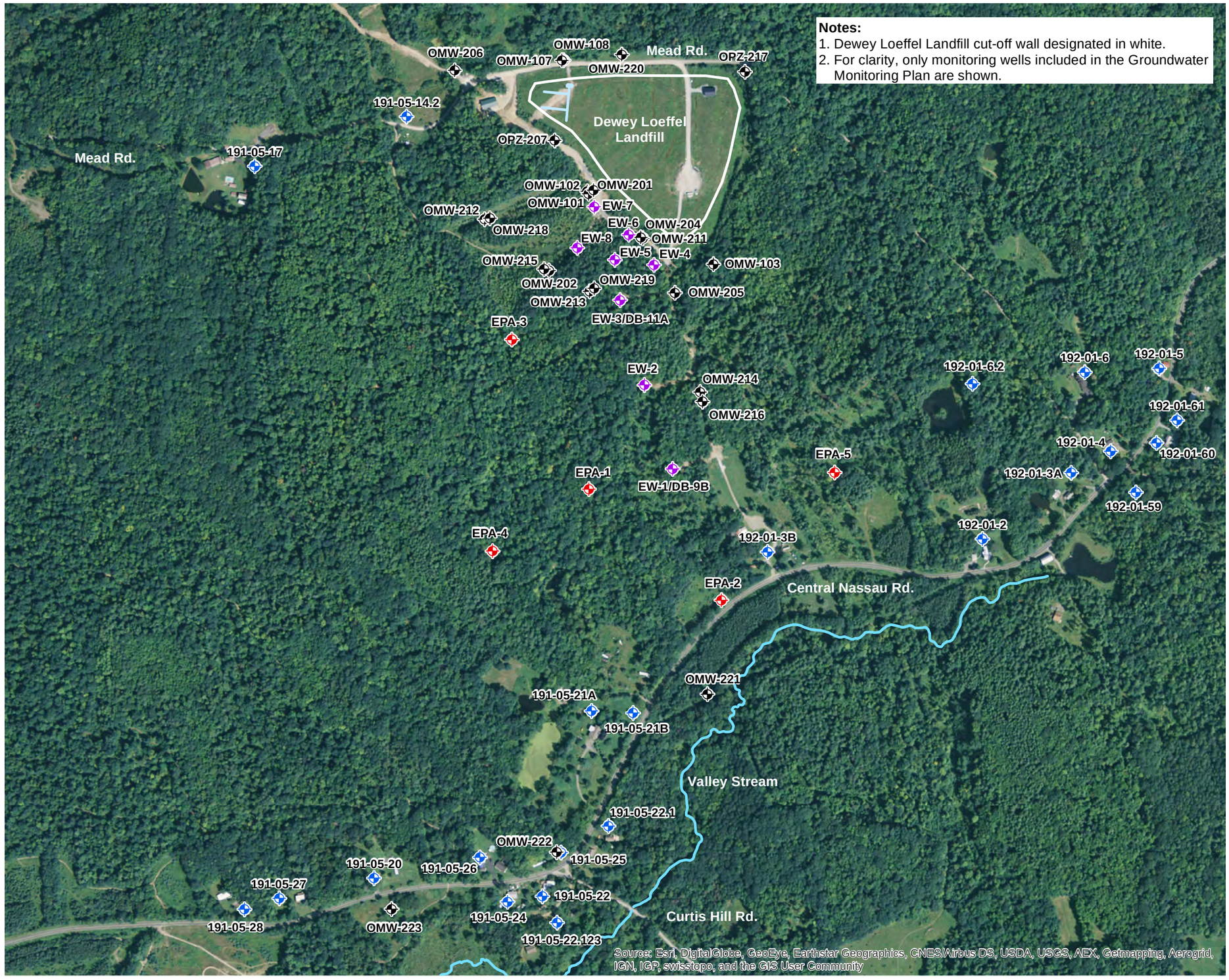
Table 4-12
VOCs and 1,4-Dioxane in Residential POU Wells with Treatment Systems
Dewey Loeffel Landfill Superfund Site
Nassau, New York

Compound	Location ID / Sample ID / Date	NYSDOH Well 25			
		25-INLET-021915	25-INLET-052615	25-INLET-081915	25-INLET-111115
		2/19/2015	5/26/2015	8/19/2015	11/11/2015
1,4-Dioxane [b]		---	**0.022 J/0.026 J**	---	**0.038 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 Enviromental Protection Agency (USEPA) Method 524.2 and USEPA SW-846 Method 8270D selective ion method (SIM), respectively, by ALS Enviromental in Rochester, New York or in Middletown, Pennsylvania (May VOCs only).
4. Compounds flagged with "[a]" were analyzed by both USEPA Method 524.2 and USEPA Method 504.1. Both results are reported.
5. "U" designates compound is not detected at the reported practical quantitation limit.
6. "J" designates result is considered estimated.
7. "---" designates compound was not analyzed for in that sample.
8. "[b]" designates parent sample and blind duplicate sample results are both presented, as applicable.
9. Detects are bolded.

Figures



N

Legend

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

DEWEY LOEFFEL LANDFILL
SUPERFUND SITE
NASSAU, NEW YORK

SITE MAP

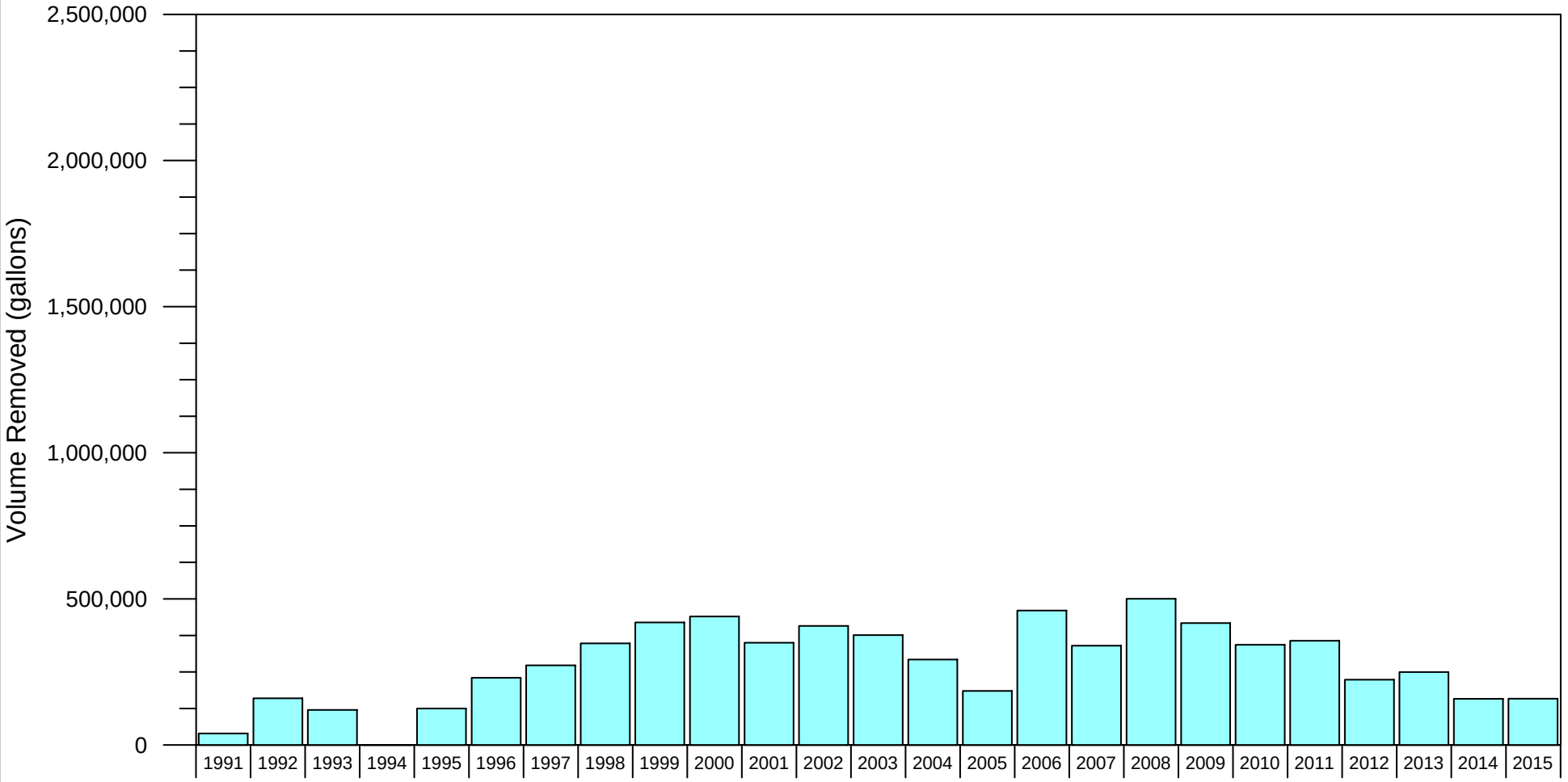
0 250 500 1,000
Feet

612.60994
MARCH 2016

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 2-1
ANNUAL VOLUME REMOVED FROM LEACHATE COLLECTION SYSTEM

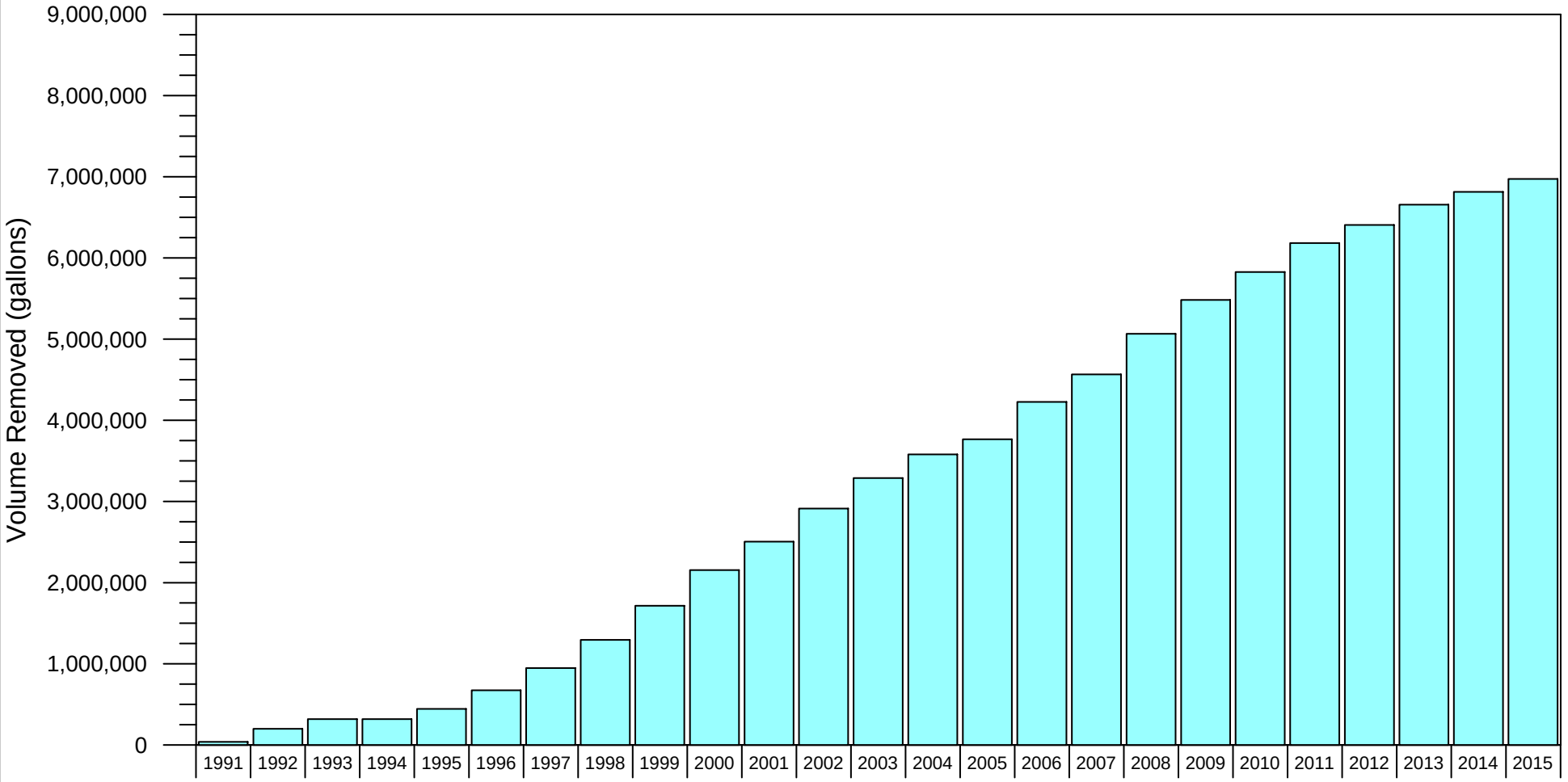
Dewey Loeffel Landfill Superfund Site
Nassau, New York



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

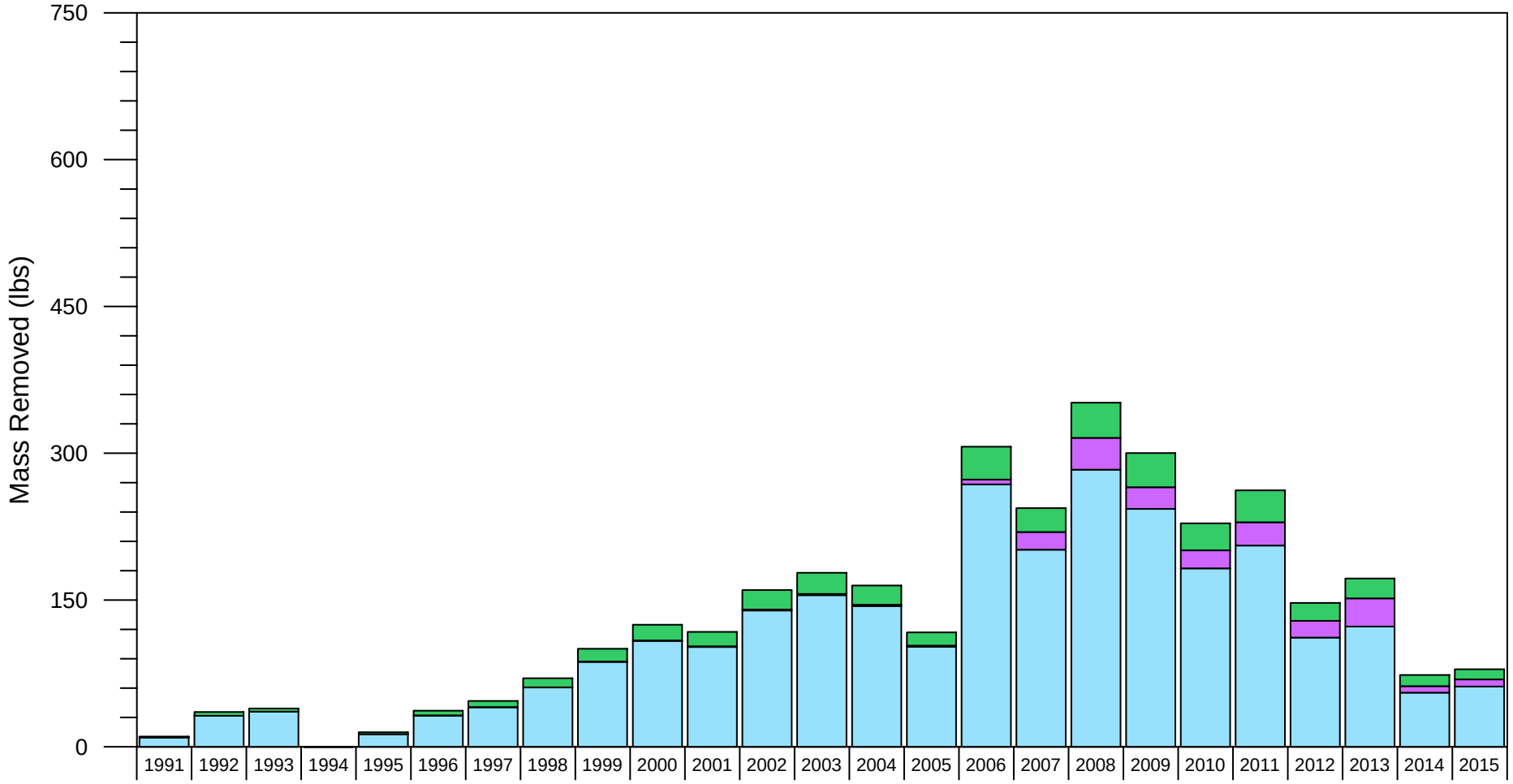


Leachate

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

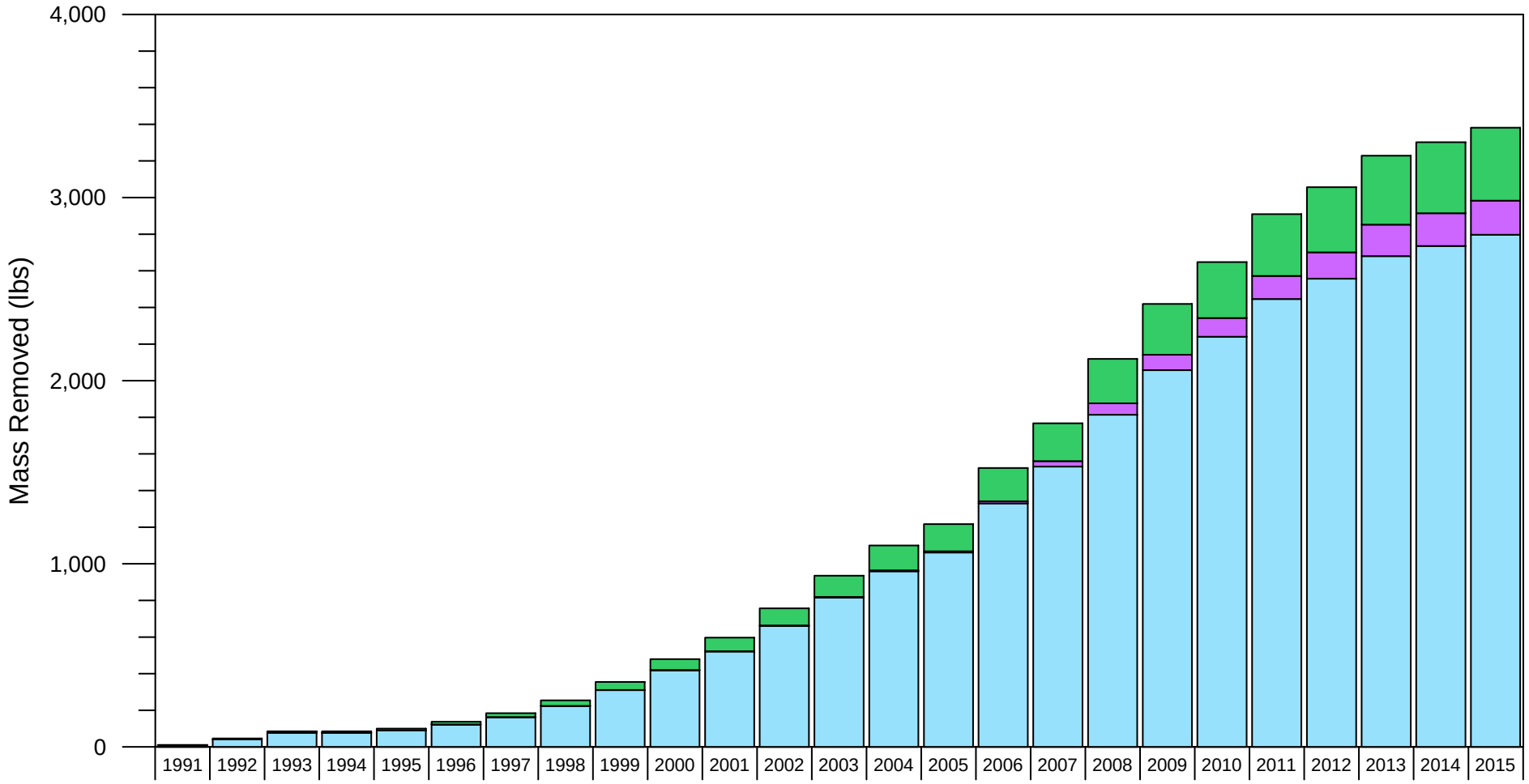


Chlorobenzene
CVOCs
BTEX

For non-detects, zero is used.
CVOCs is comprised of TCE, cDCE, and VC.
BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
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

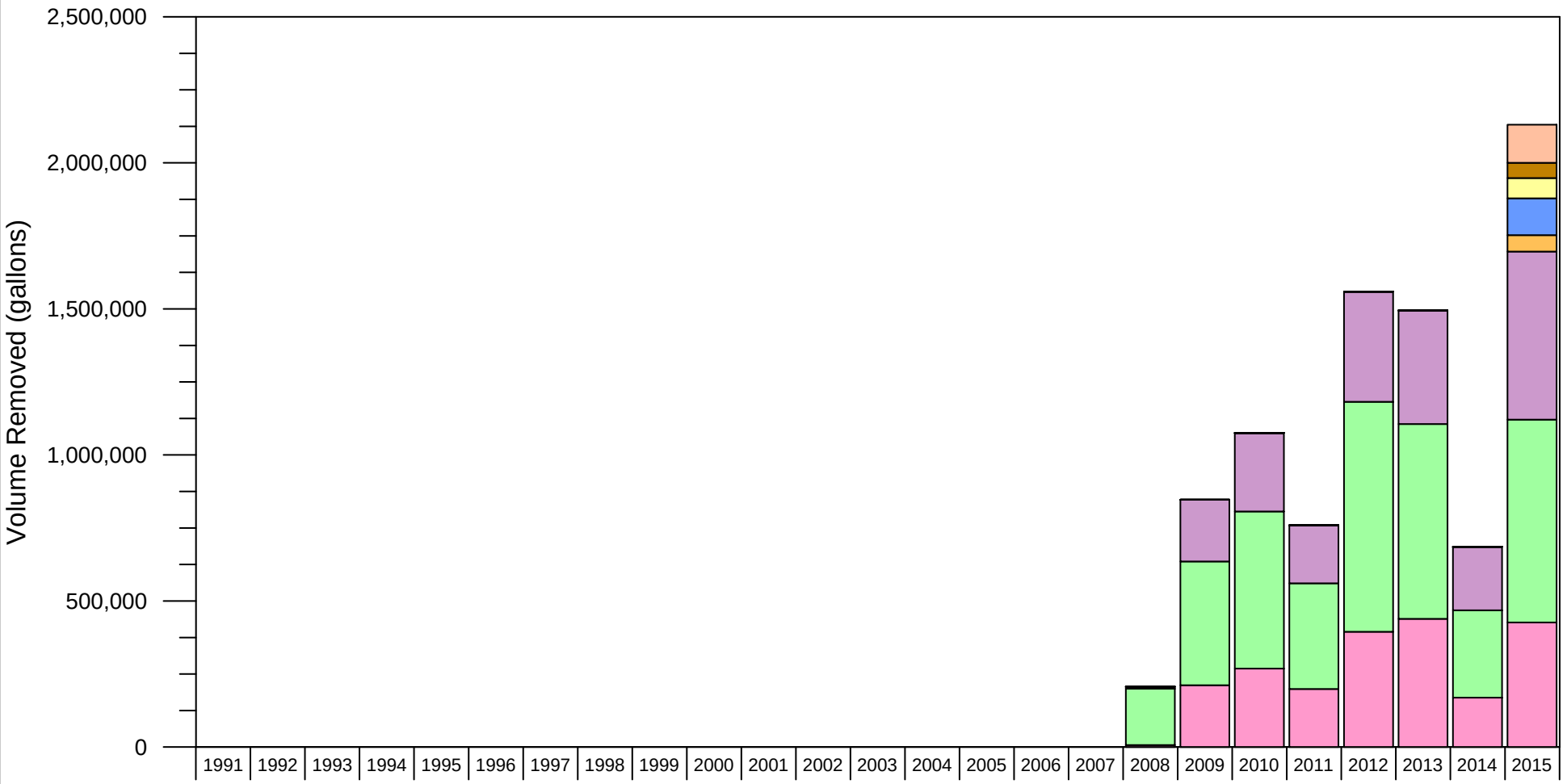
Dewey Loeffel Landfill Superfund Site
Nassau, New York



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

FIGURE 2-5
ANNUAL VOLUME REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

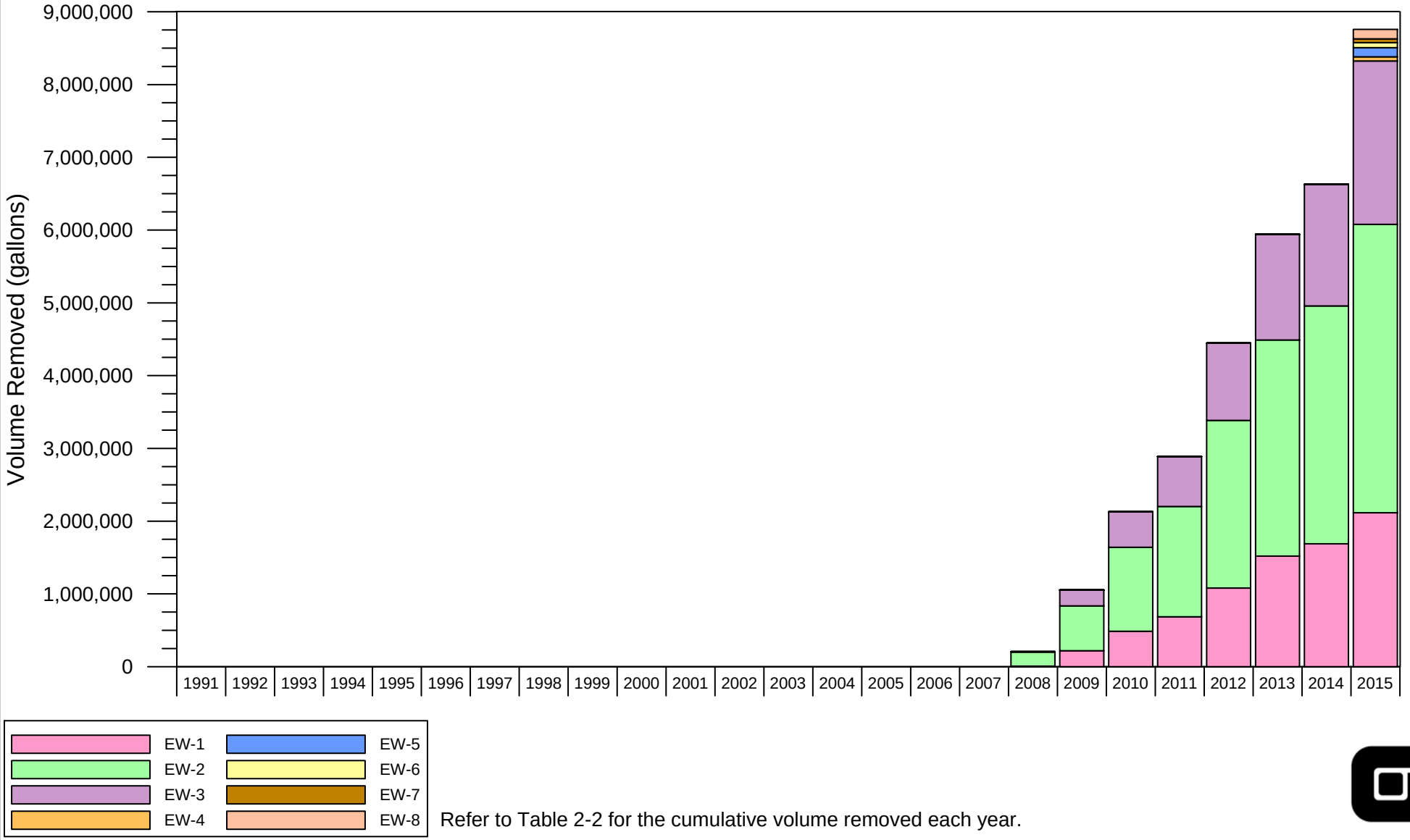
Dewey Loeffel Landfill Superfund Site
Nassau, New York



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

FIGURE 2-6
CUMULATIVE VOLUME REMOVED FROM GROUNDWATER EXTRACTION SYSTEM

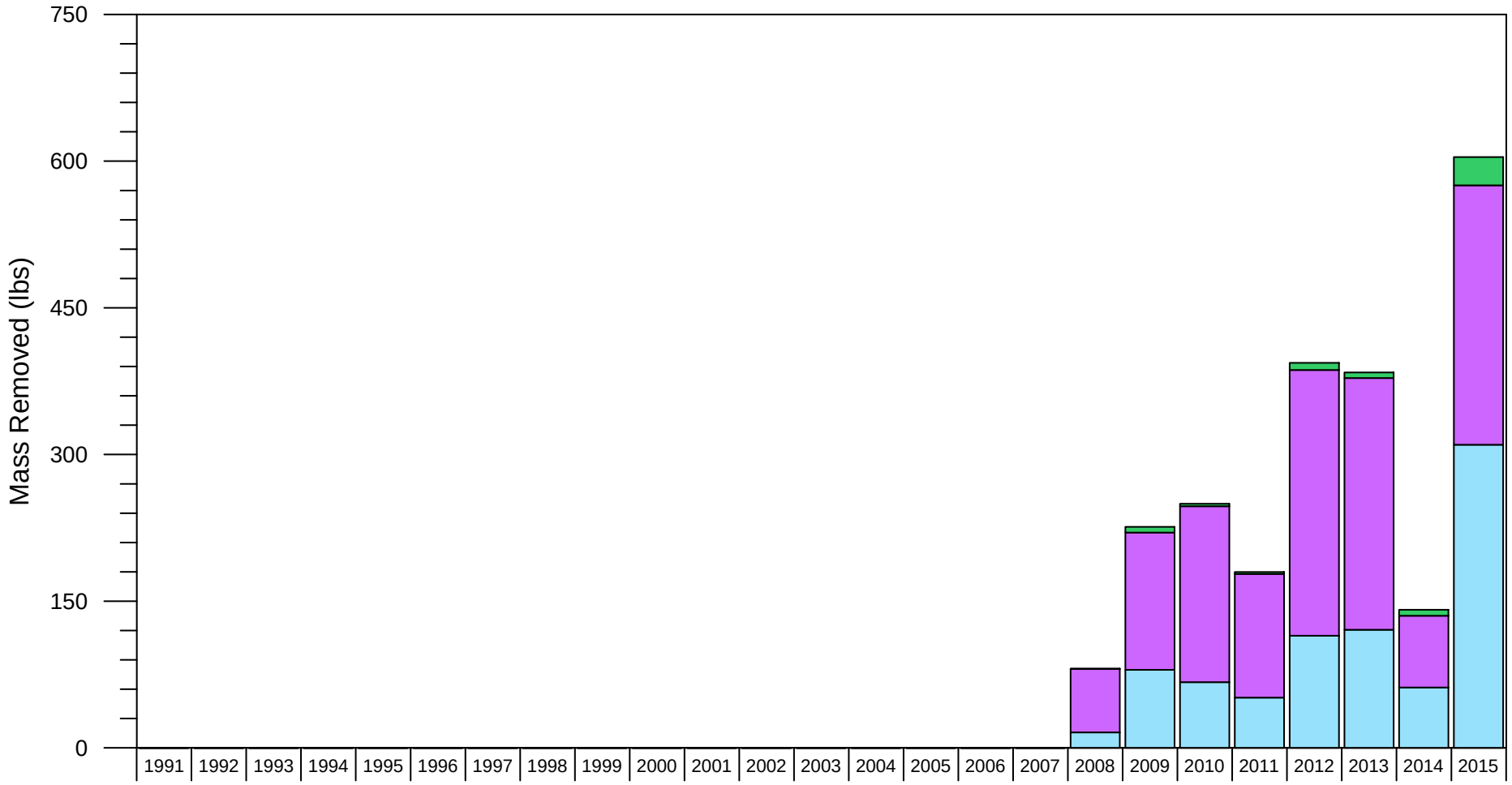
Dewey Loeffel Landfill Superfund Site
Nassau, New York



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

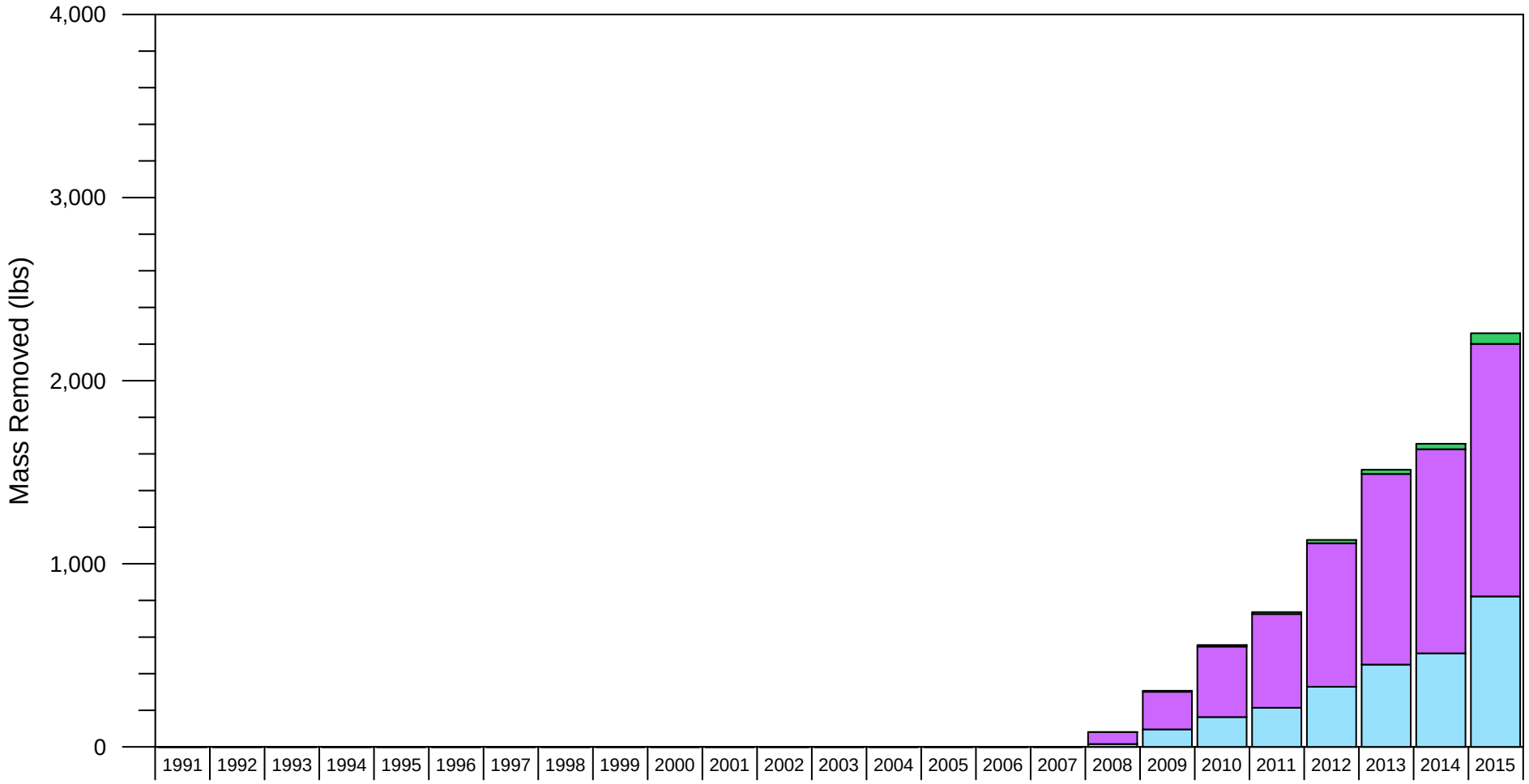


Chlorobenzene
CVOCs
BTEX

For non-detects, zero is used.
CVOCs is comprised of TCE, cDCE, and VC.
BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
Refer to Table 2-5 for the annual mass of VOCs removed each year.
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



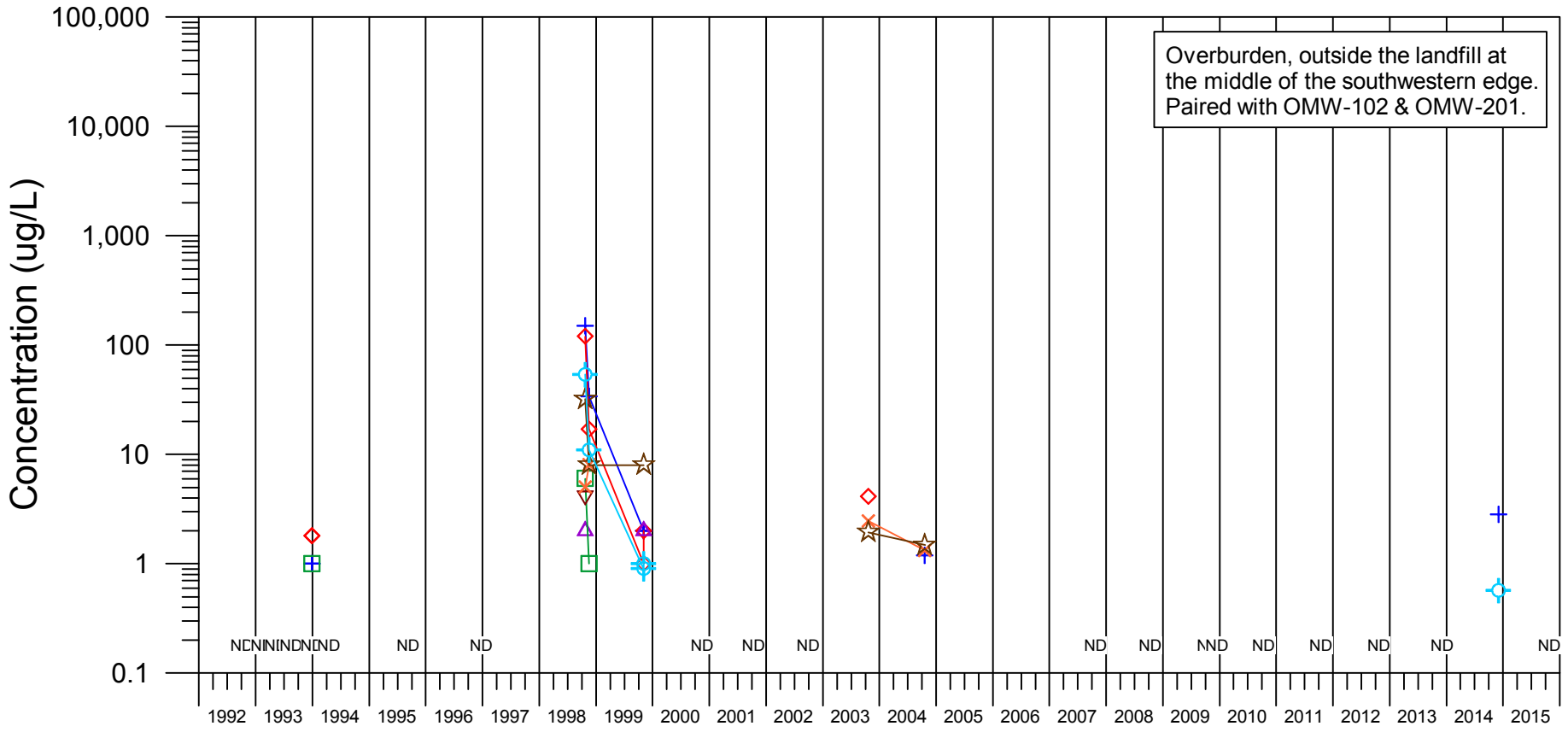
Chlorobenzene
CVOCs
BTEX

For non-detects, zero is used.
CVOCs is comprised of TCE, cDCE, and VC.
BTEX is comprised of benzene, toluene, ethylbenzene, m,p-xylenes and o-xylene.
Refer to Table 2-6 for the cumulative mass of VOCs removed each year.
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

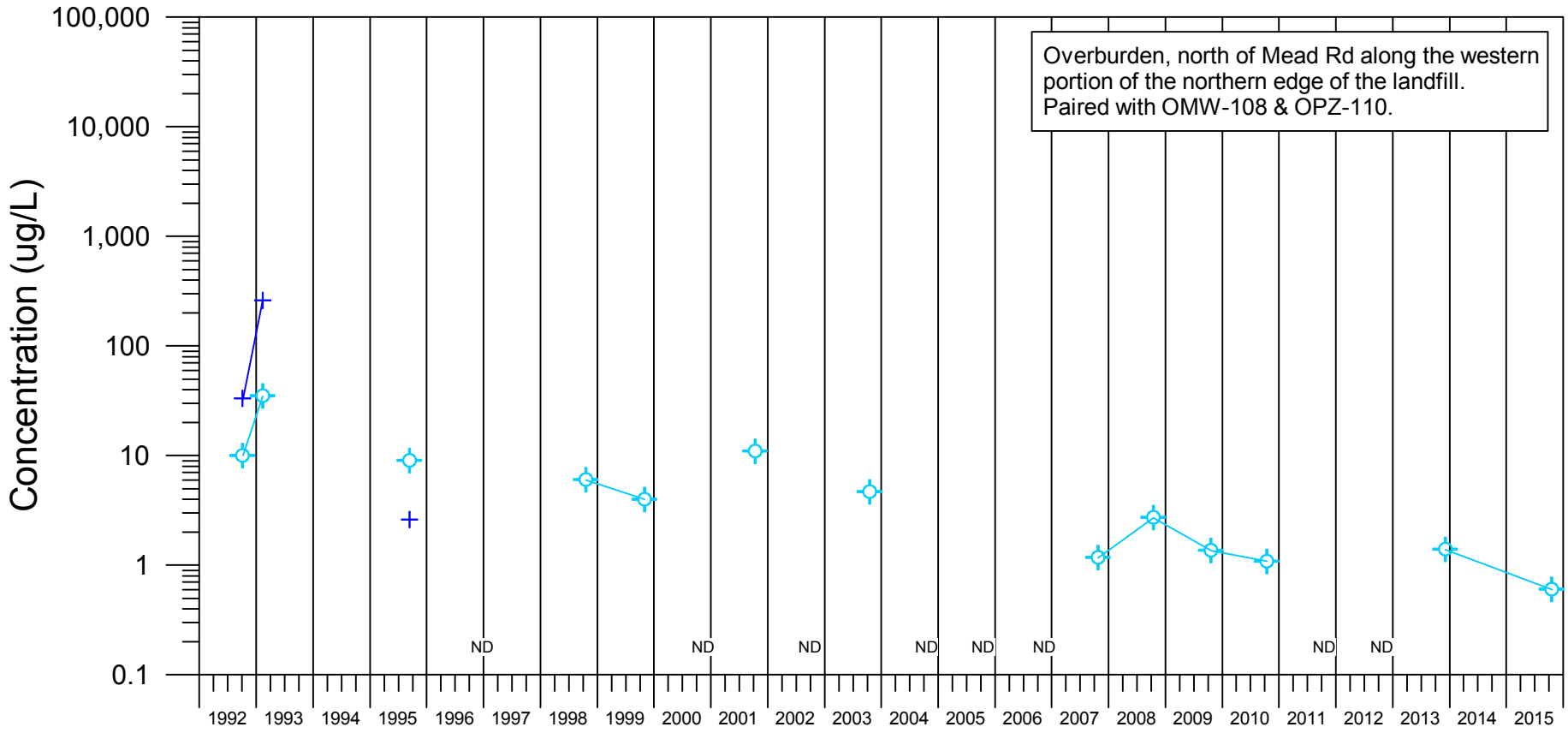


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

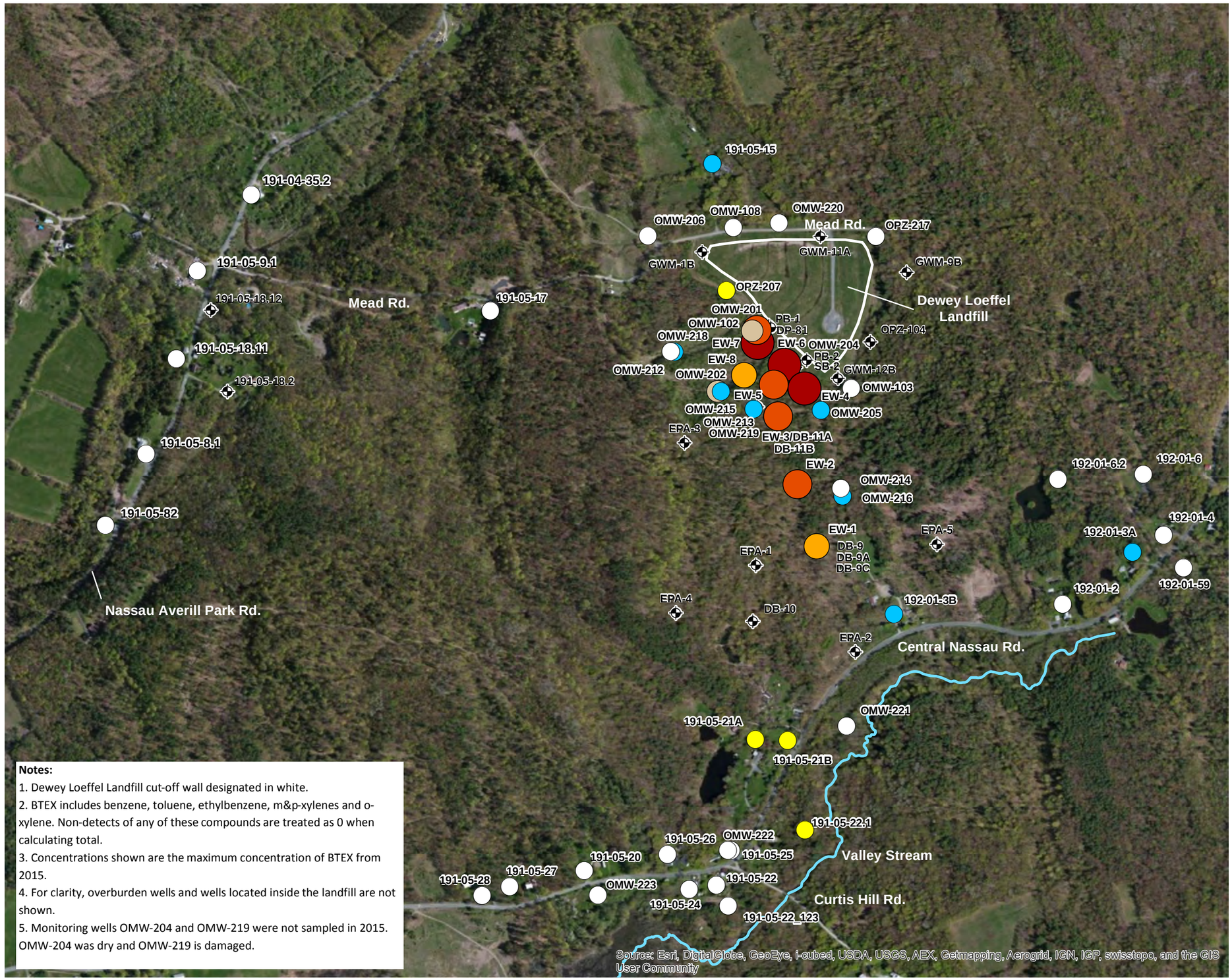
FIGURE 4-2

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.



Notes:

1. Dewey Loeffel Landfill cut-off wall designated in white.
2. BTEX includes benzene, toluene, ethylbenzene, m&p-xylenes and o-xylene. Non-detects of any of these compounds are treated as 0 when calculating total.
3. Concentrations shown are the maximum concentration of BTEX from 2015.
4. For clarity, overburden wells and wells located inside the landfill are not shown.
5. Monitoring wells OMW-204 and OMW-219 were not sampled in 2015. OMW-204 was dry and OMW-219 is damaged.

N

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 - 2015

0 325 650 1,300
Feet

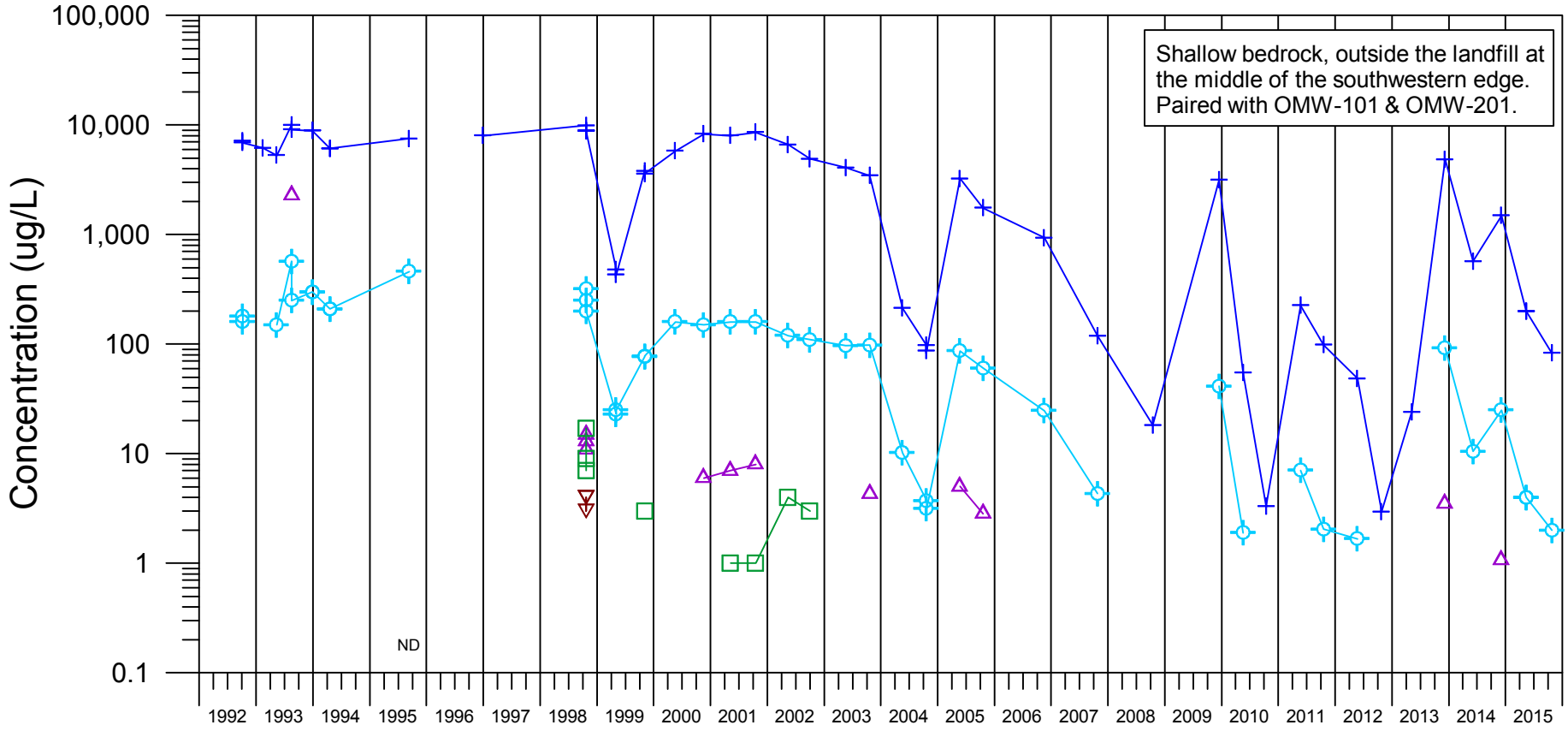
612.60994
MARCH 2016

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 4-4

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-102

Dewey Loeffel Landfill Superfund Site
Nassau, New York

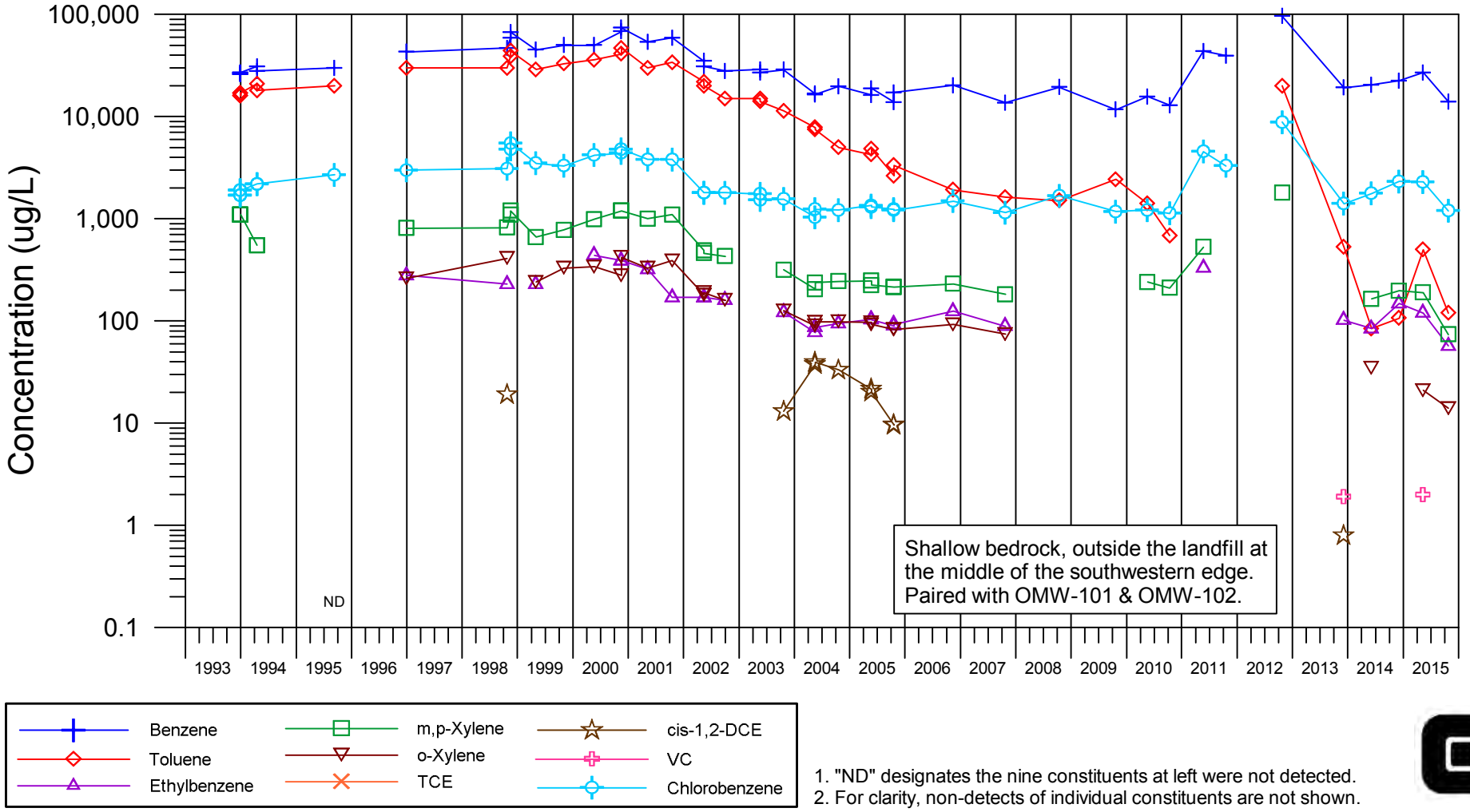


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-5

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York

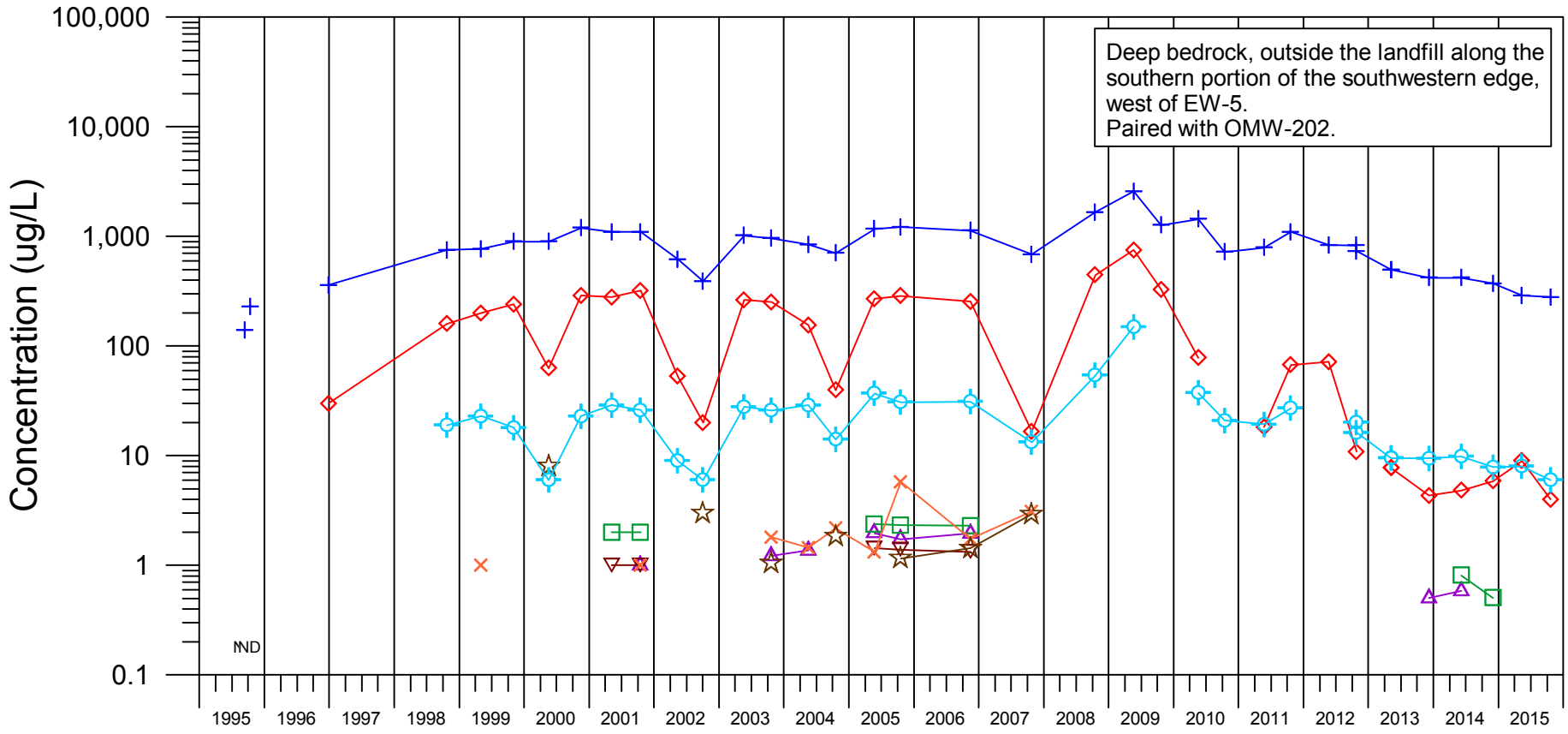


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-6

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-215

Dewey Loeffel Landfill Superfund Site
Nassau, New York

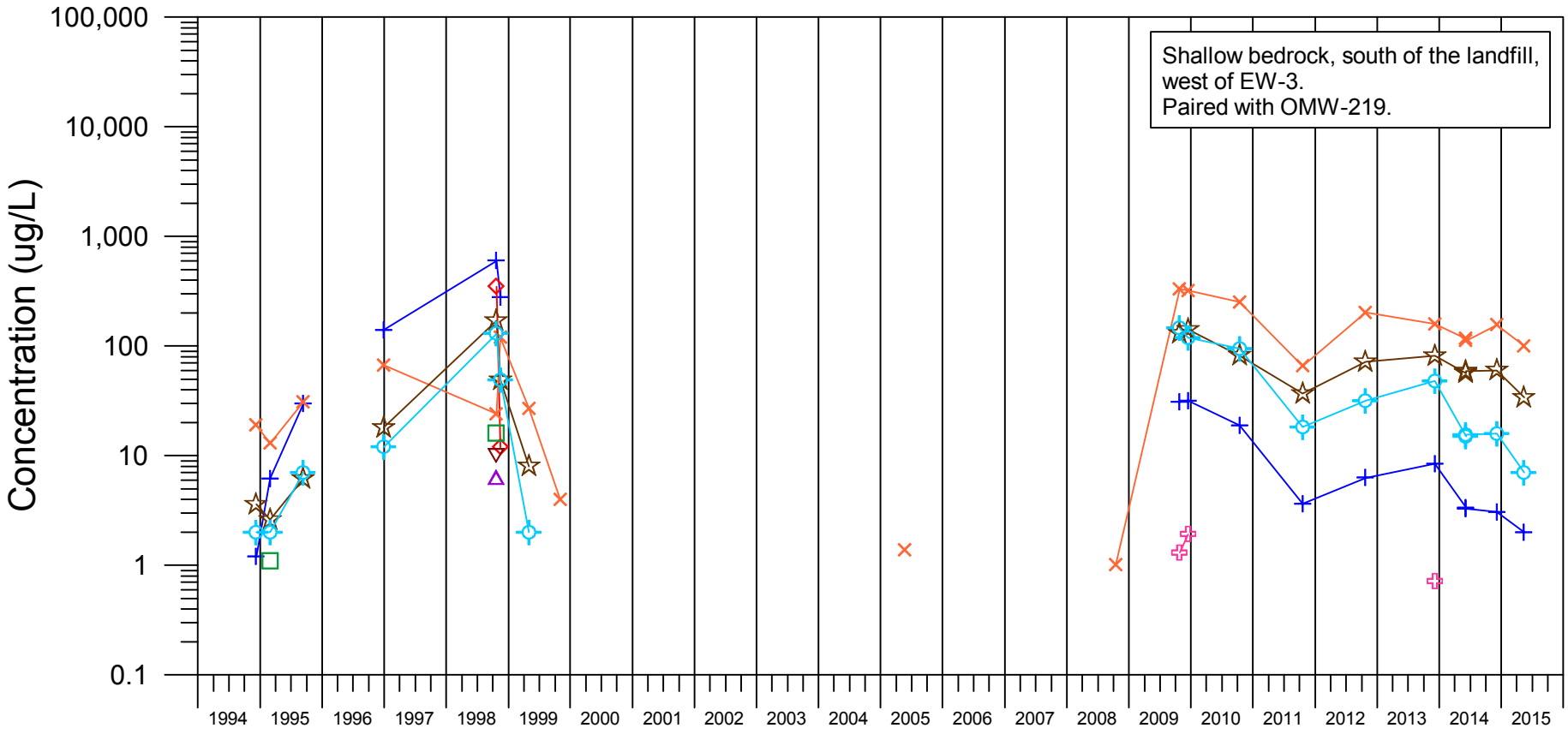


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-7

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-213

Dewey Loeffel Landfill Superfund Site
Nassau, New York

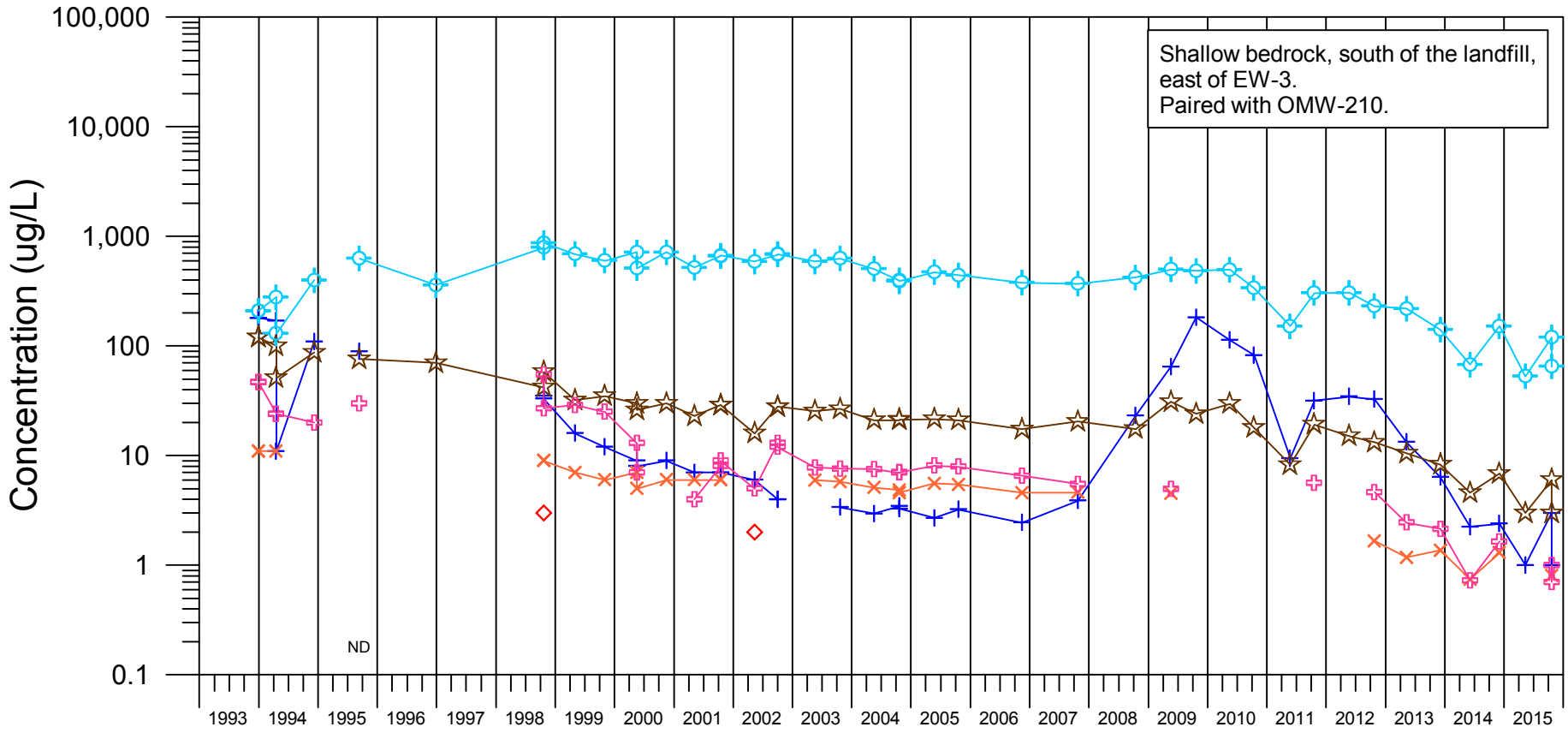


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

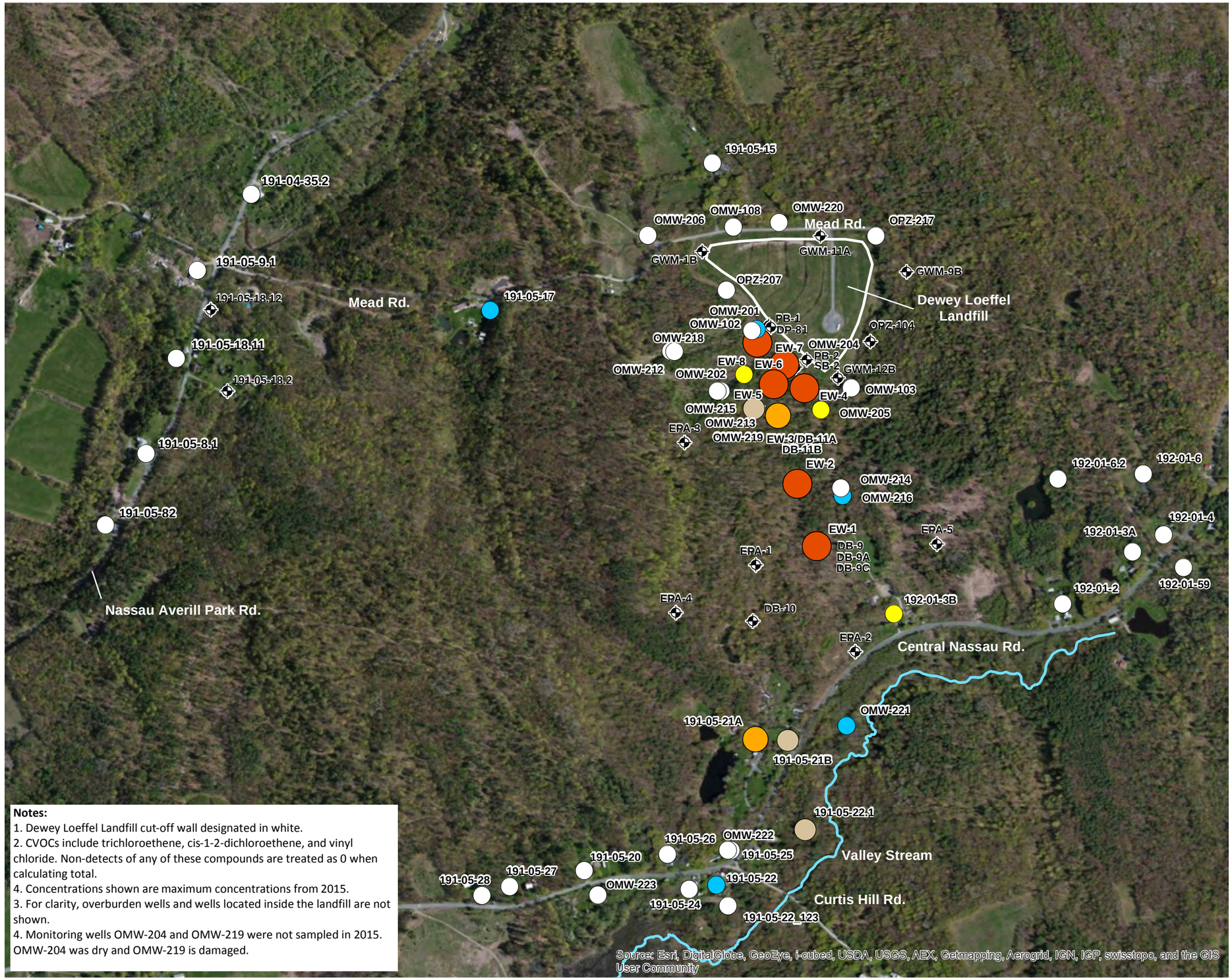
FIGURE 4-8

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-205

Dewey Loeffel Landfill Superfund Site
Nassau, New York



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



Notes:
1. Dewey Loeffel Landfill cut-off wall designated in white.
2. CVOCs include trichloroethene, cis-1-2-dichloroethene, and vinyl chloride. Non-detects of any of these compounds are treated as 0 when calculating total.
4. Concentrations shown are maximum concentrations from 2015.
3. For clarity, overburden wells and wells located inside the landfill are not shown.
4. Monitoring wells OMW-204 and OMW-219 were not sampled in 2015. OMW-204 was dry and OMW-219 is damaged.

N

Legend

- CVOC Conc. Non-Detect
- CVOC Conc. and ≤ 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 - 2015

0 325 650 1,300
Feet

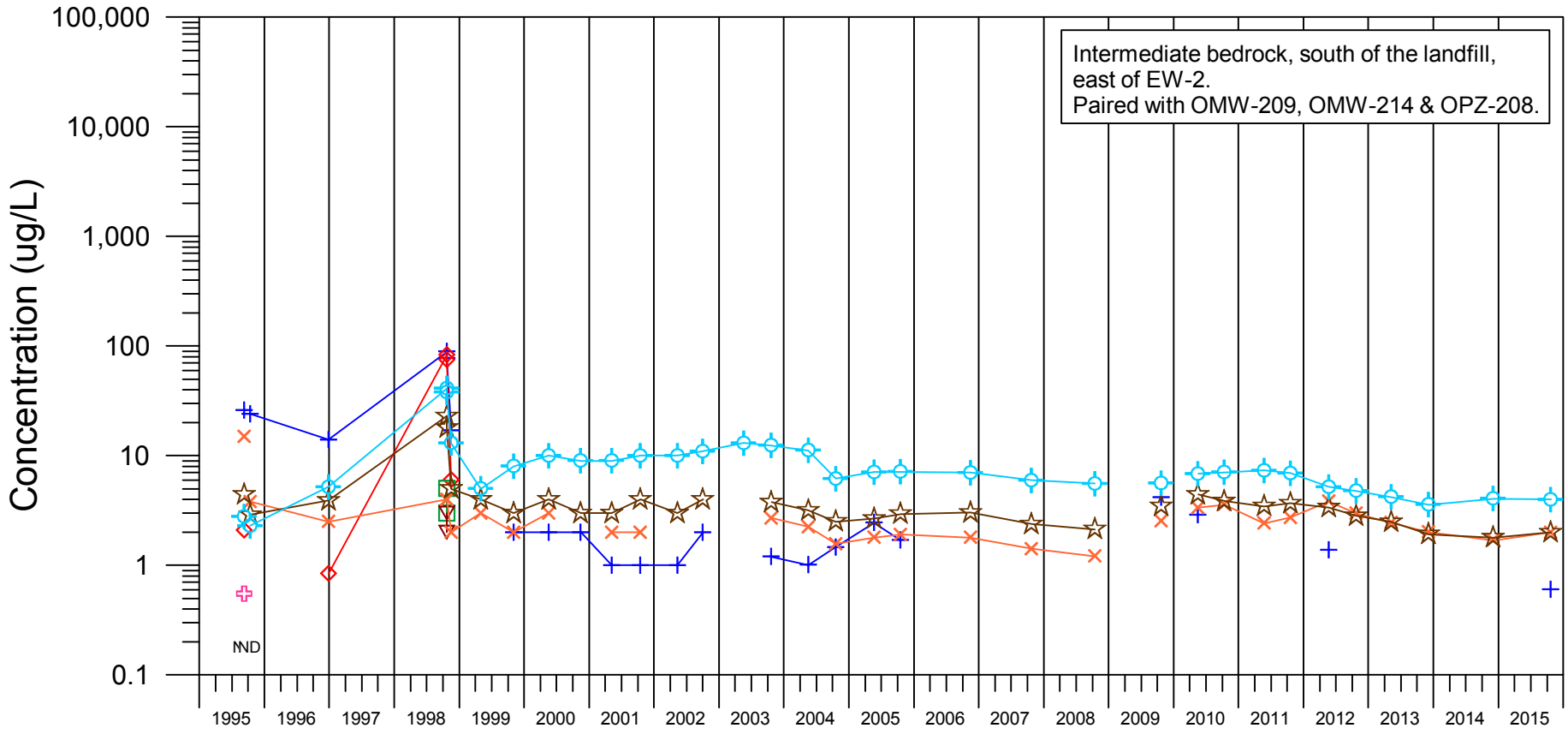
612.60994
MARCH 2016

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 4-10

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-216

Dewey Loeffel Landfill Superfund Site
Nassau, New York

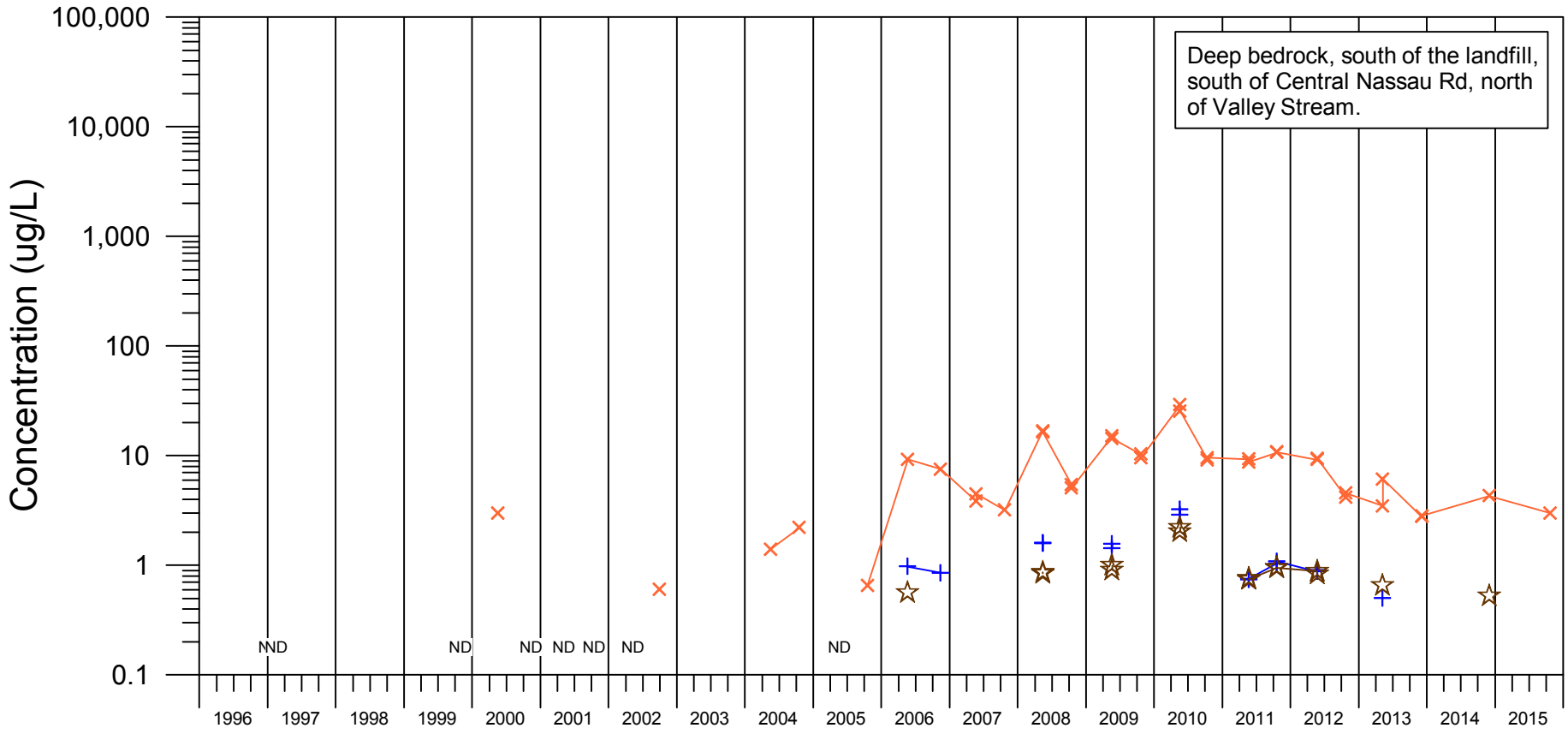


1. "ND" designates the nine constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.

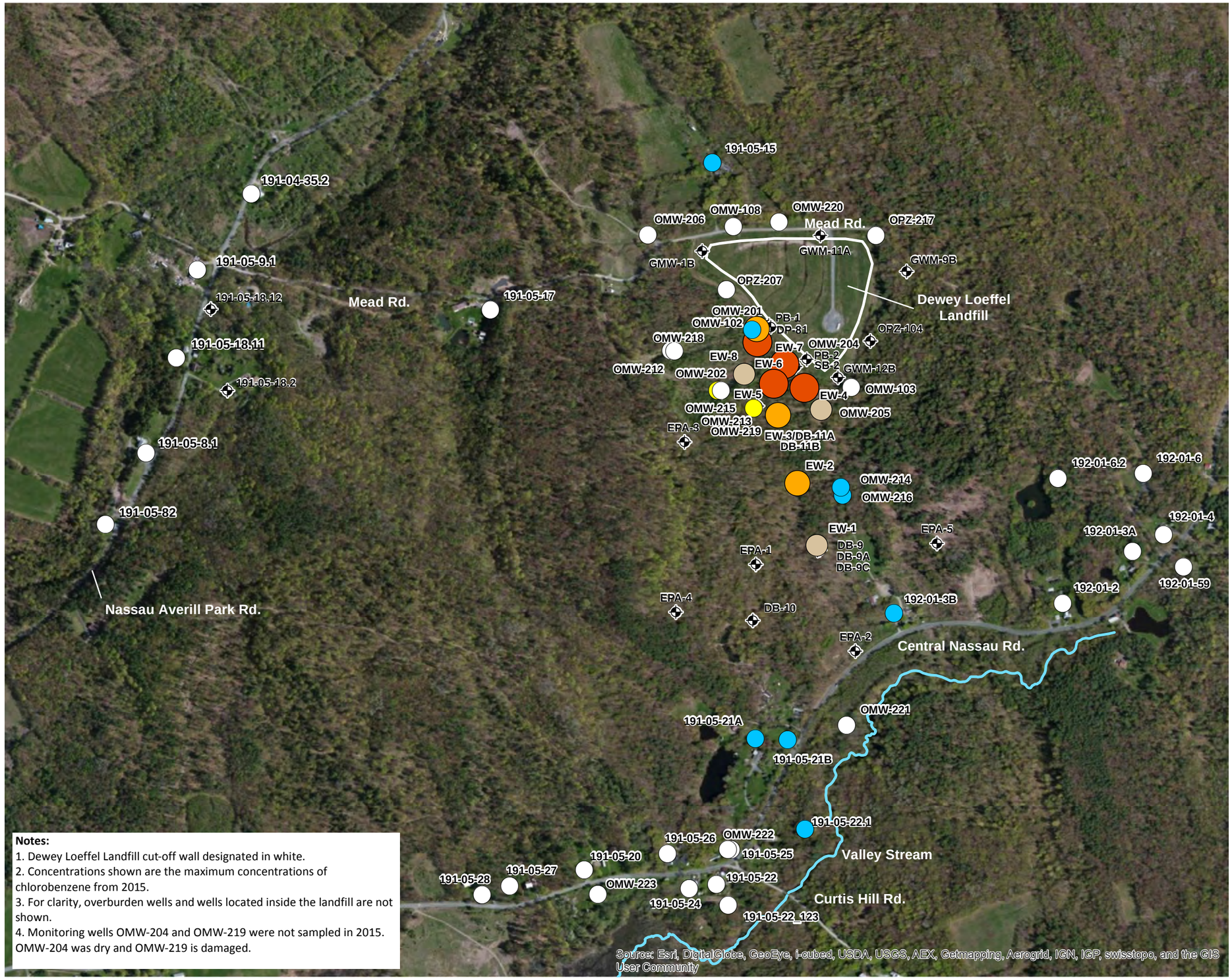
FIGURE 4-11

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-221

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.



Notes:
1. Dewey Loeffel Landfill cut-off wall designated in white.
2. Concentrations shown are the maximum concentrations of chlorobenzene from 2015.
3. For clarity, overburden wells and wells located inside the landfill are not shown.
4. Monitoring wells OMW-204 and OMW-219 were not sampled in 2015. OMW-204 was dry and OMW-219 is damaged.

N

Legend

- 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 - 2015

0 325 650 1,300
Feet

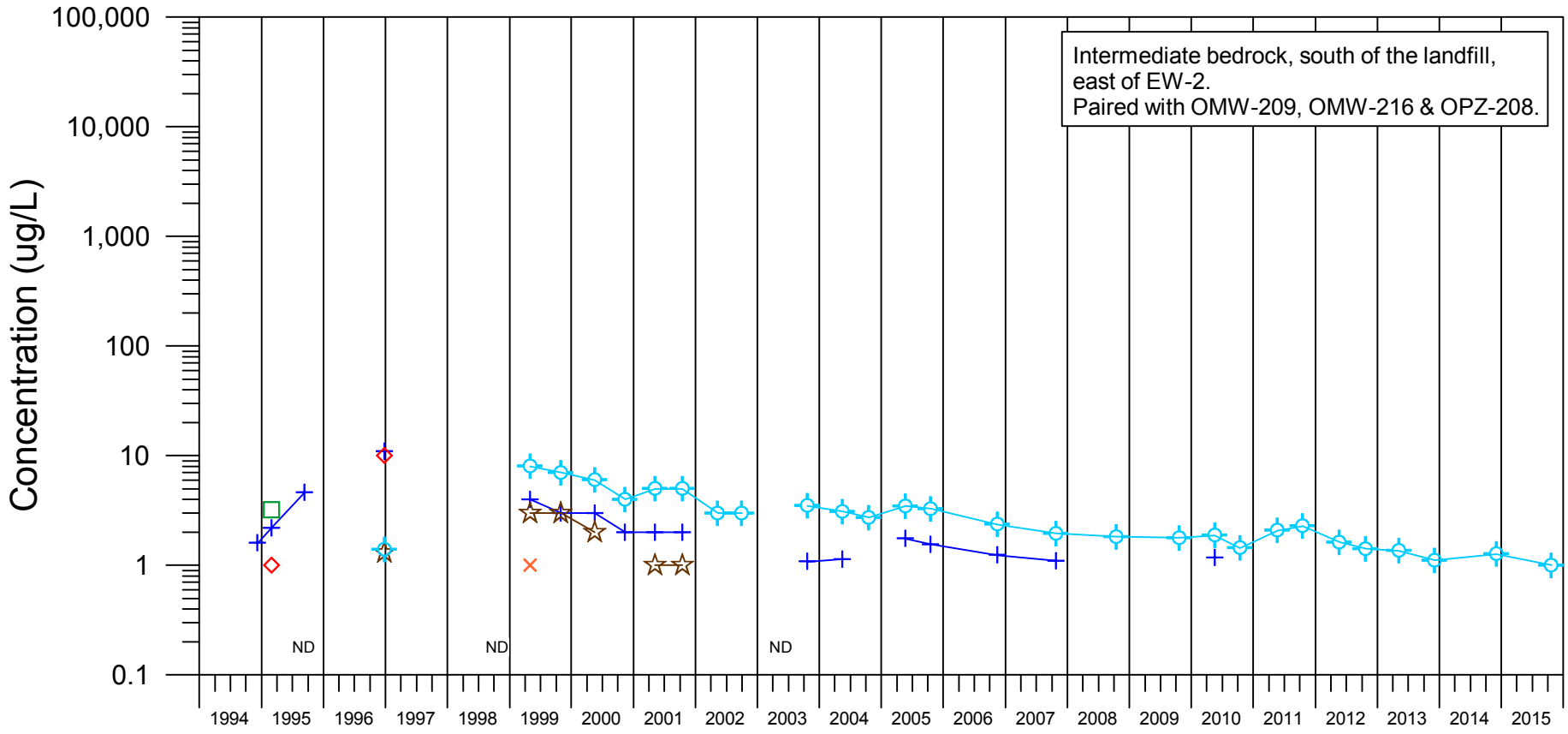
612.60994
MARCH 2016

O'BRIEN & GERE ENGINEERS, INC.

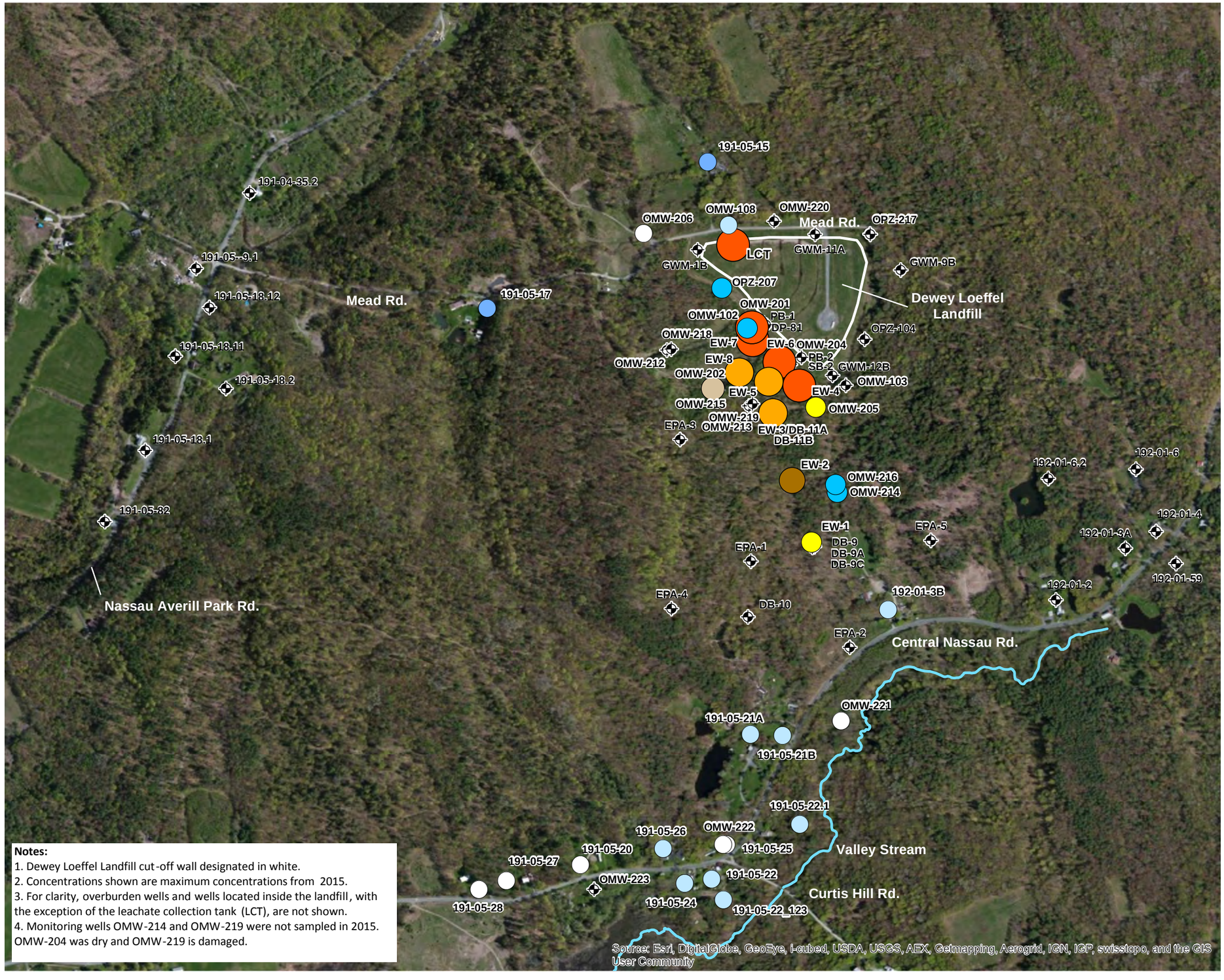
FIGURE 4-13

CONCENTRATIONS OF VOCs AT MONITORING WELL OMW-214

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.



Notes:
1. Dewey Loeffel Landfill cut-off wall designated in white.
2. Concentrations shown are maximum concentrations from 2015.
3. For clarity, overburden wells and wells located inside the landfill, with the exception of the leachate collection tank (LCT), are not shown.
4. Monitoring wells OMW-214 and OMW-219 were not sampled in 2015. OMW-204 was dry and OMW-219 is damaged.

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
- Existing Well Not Sampled

DEWEY LOEFFEL LANDFILL
SUPERFUND SITE
NASSAU, NEW YORK

MAXIMUM 1,4-DIOXANE CONCENTRATIONS IN BEDROCK GROUNDWATER - 2015

0 325 650 1,300
Feet

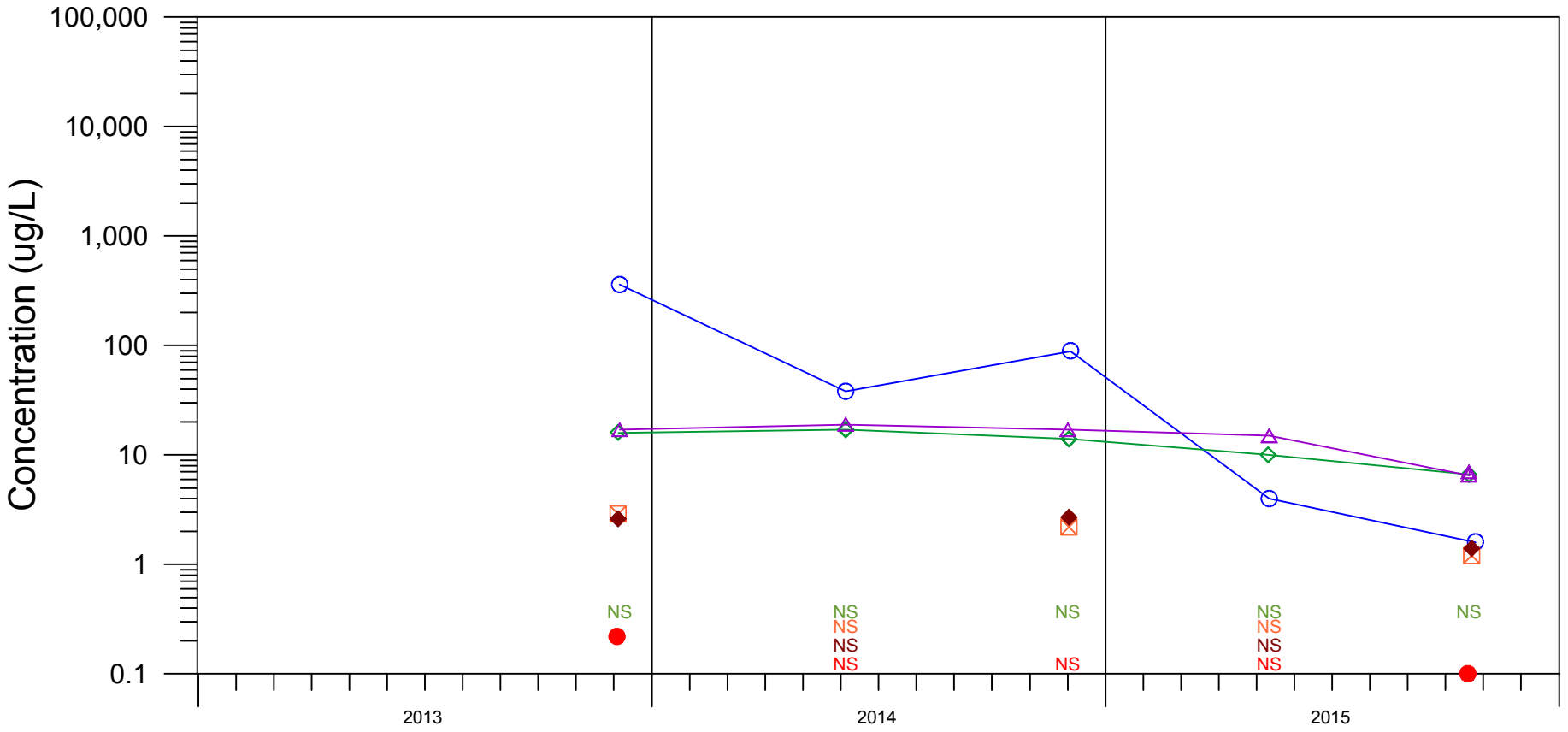
612.60994
MARCH 2016

O'BRIEN & GERE ENGINEERS, INC.

FIGURE 4-15

CONCENTRATIONS OF 1,4-DIOXANE AT MONITORING WELLS OMW-102, OMW-108, OMW-205, OMW-215, OMW-214, OMW-216, AND OMW-219

Dewey Loeffel Landfill
Nassau, New York

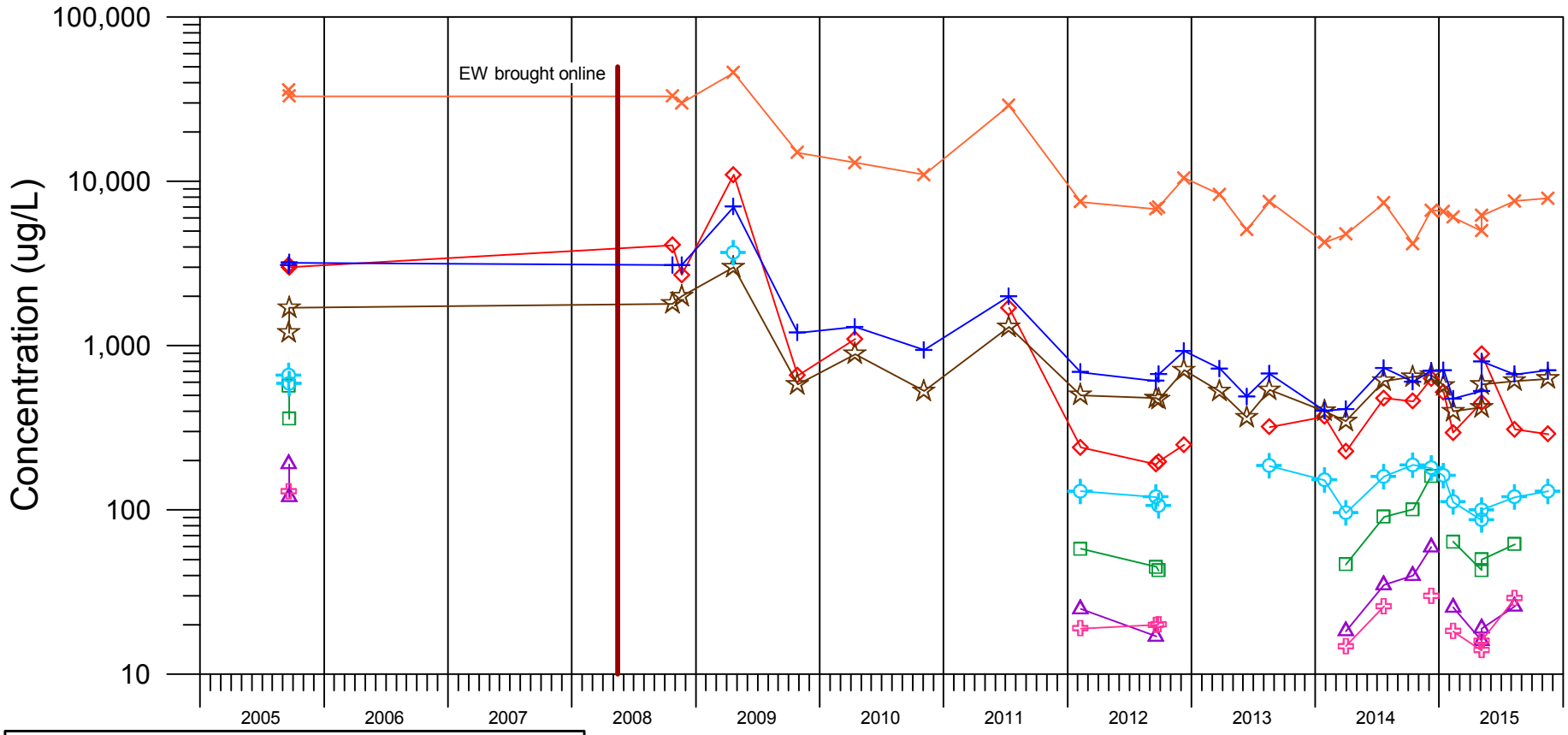


1. NS stands for not sampled.
2. OMW-219 was not sampled because the well is damaged.

FIGURE 4-16

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-1

Dewey Loeffel Landfill Superfund Site
Nassau, New York

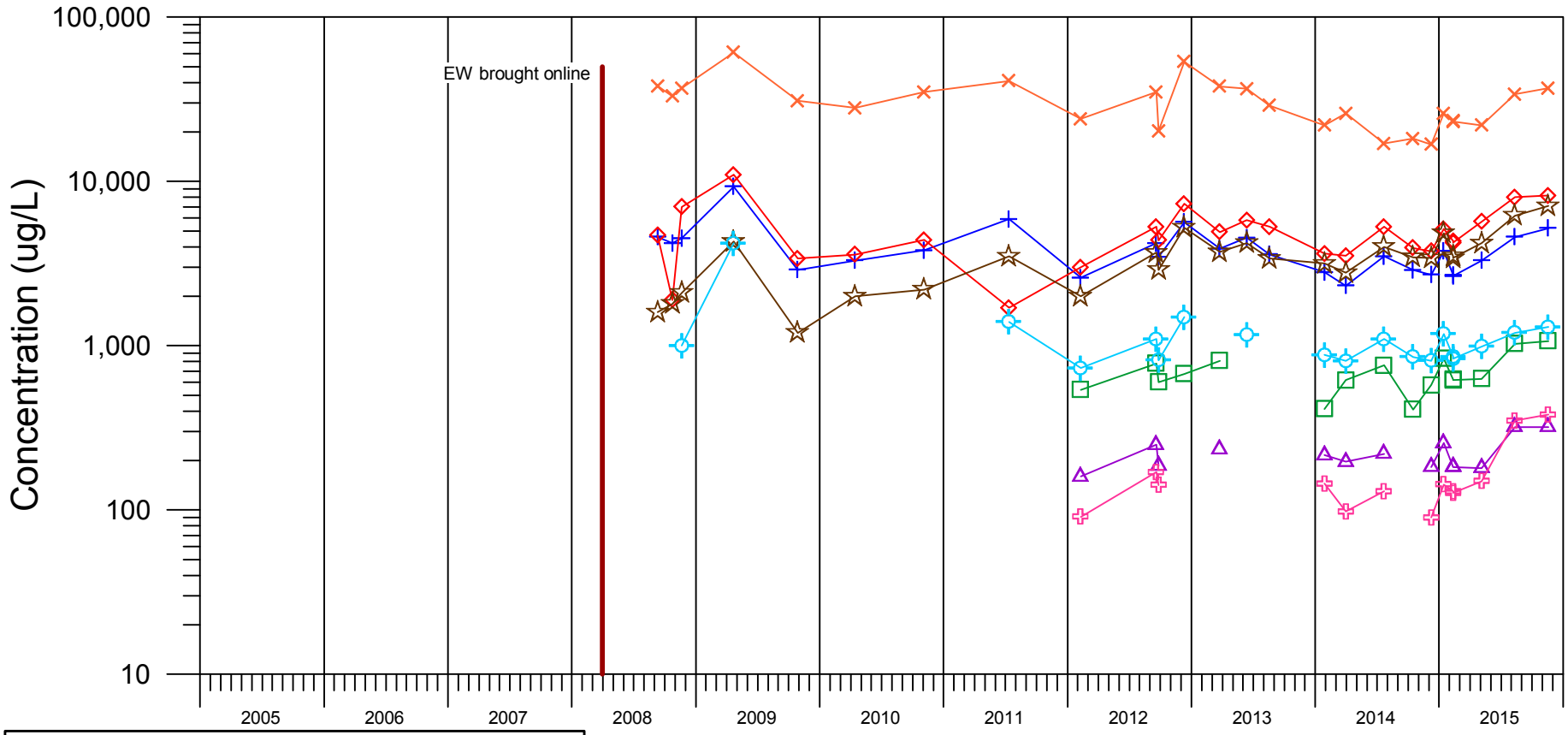


1. For clarity, non-detects of individual constituents are not shown.
2. Date extraction well brought online is approximate.

FIGURE 4-17

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-2

Dewey Loeffel Landfill Superfund Site
Nassau, New York

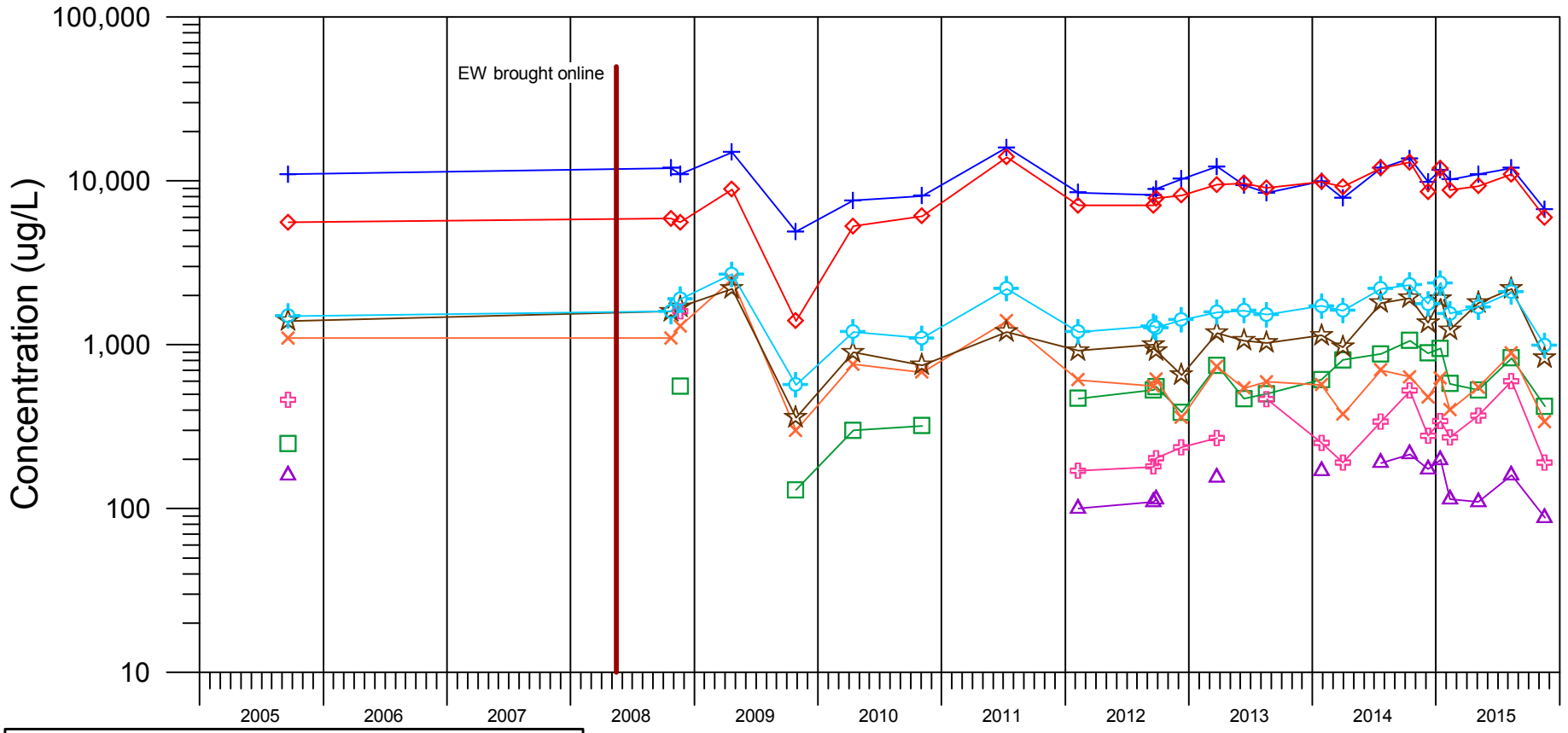


1. For clarity, non-detects of individual constituents are not shown.
2. Date extraction well brought online is approximate.

FIGURE 4-18

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-3

Dewey Loeffel Landfill Superfund Site
Nassau, New York

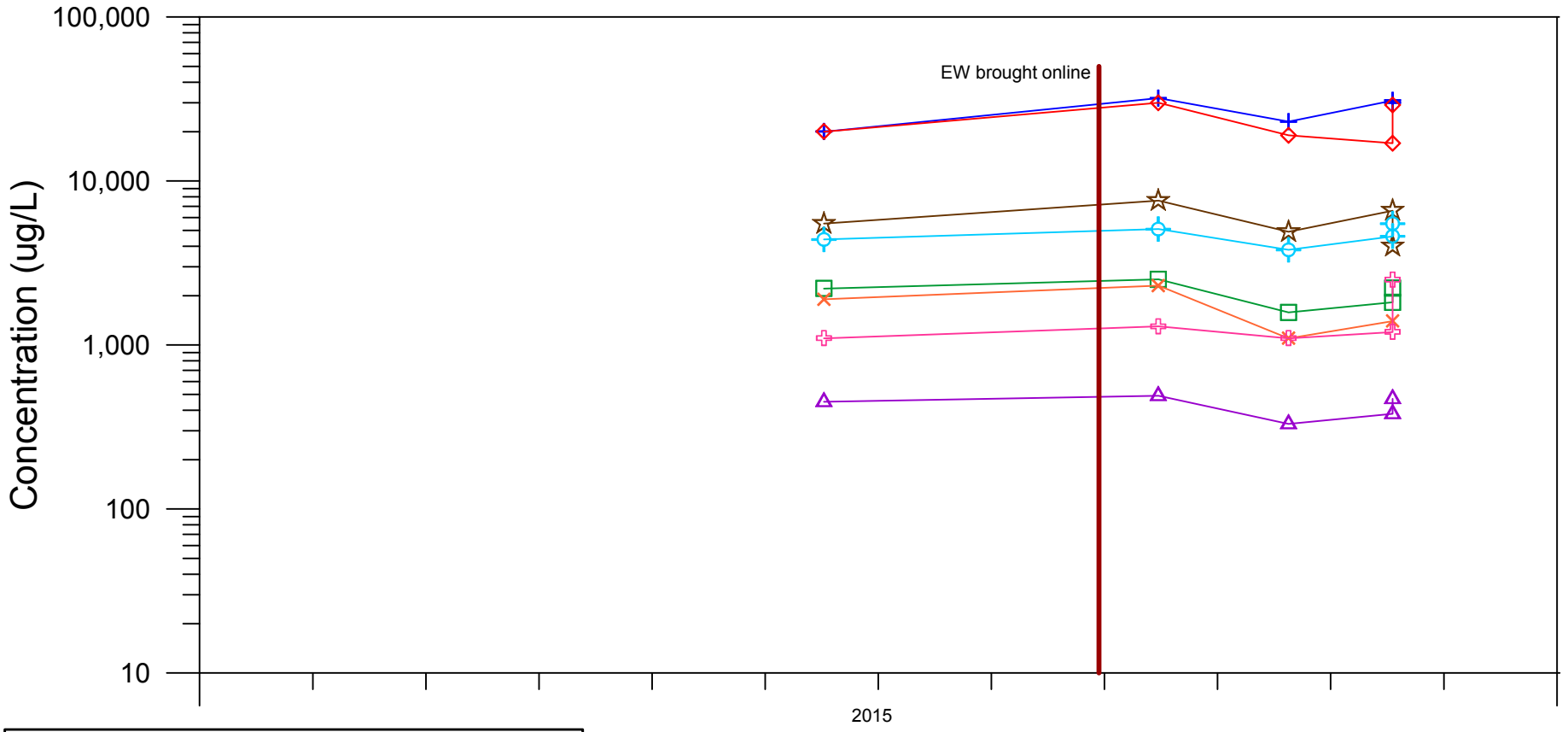


1. For clarity, non-detects of individual constituents are not shown.
2. Date extraction well brought online is approximate.

FIGURE 4-19

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-4

Dewey Loeffel Landfill Superfund Site
Nassau, New York

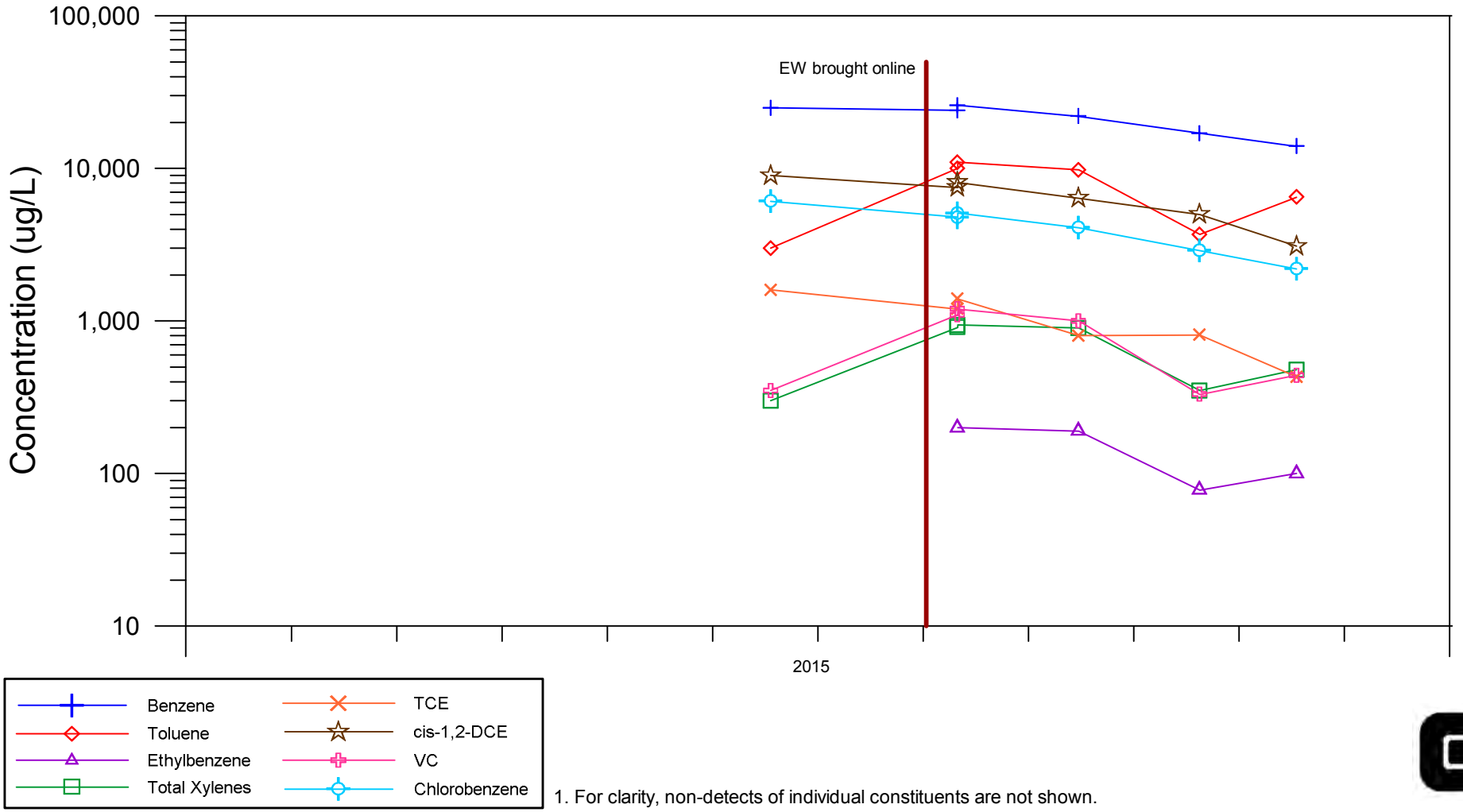


1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-20

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-5

Dewey Loeffel Landfill Superfund Site
Nassau, New York

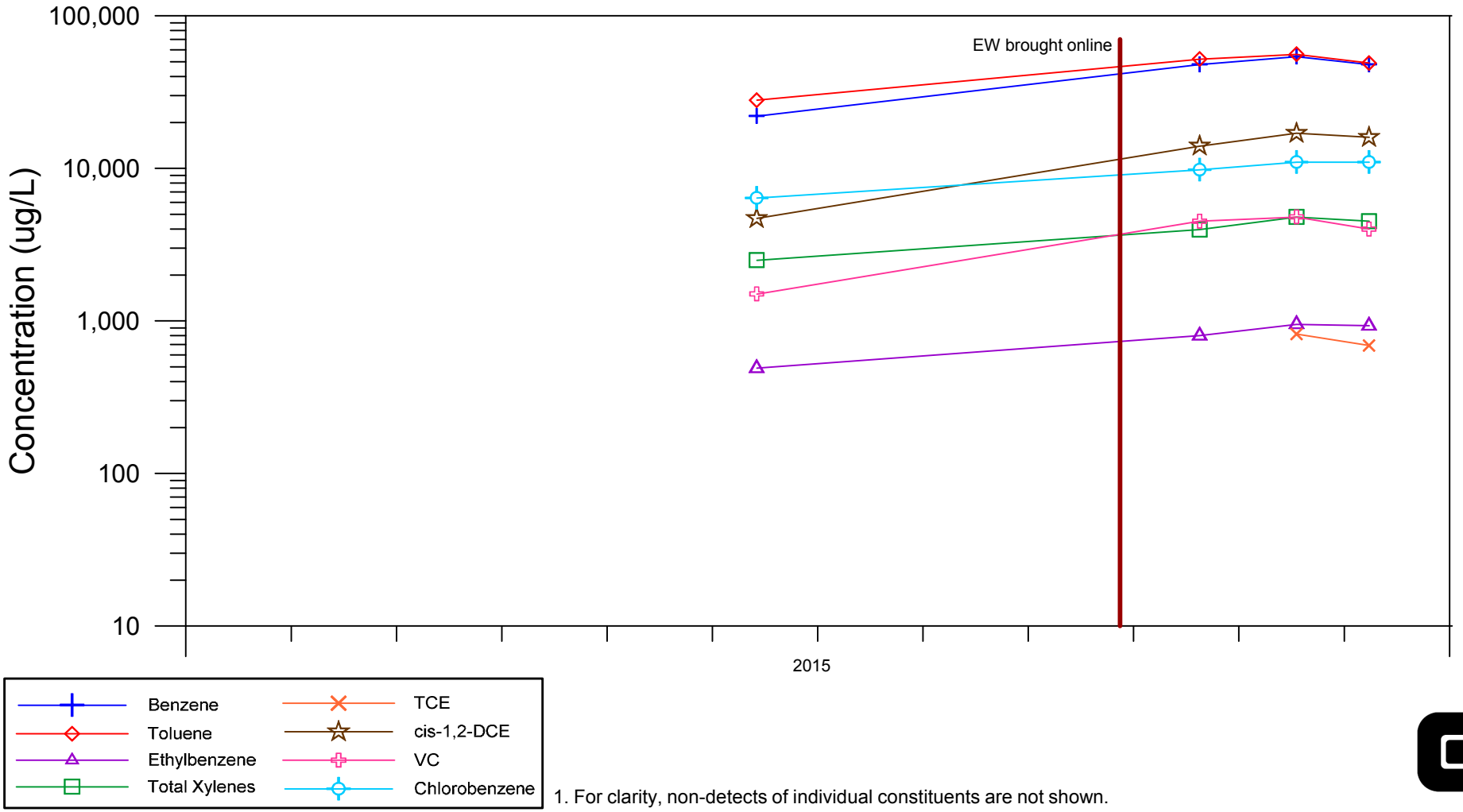


1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-21

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-6

Dewey Loeffel Landfill Superfund Site
Nassau, New York

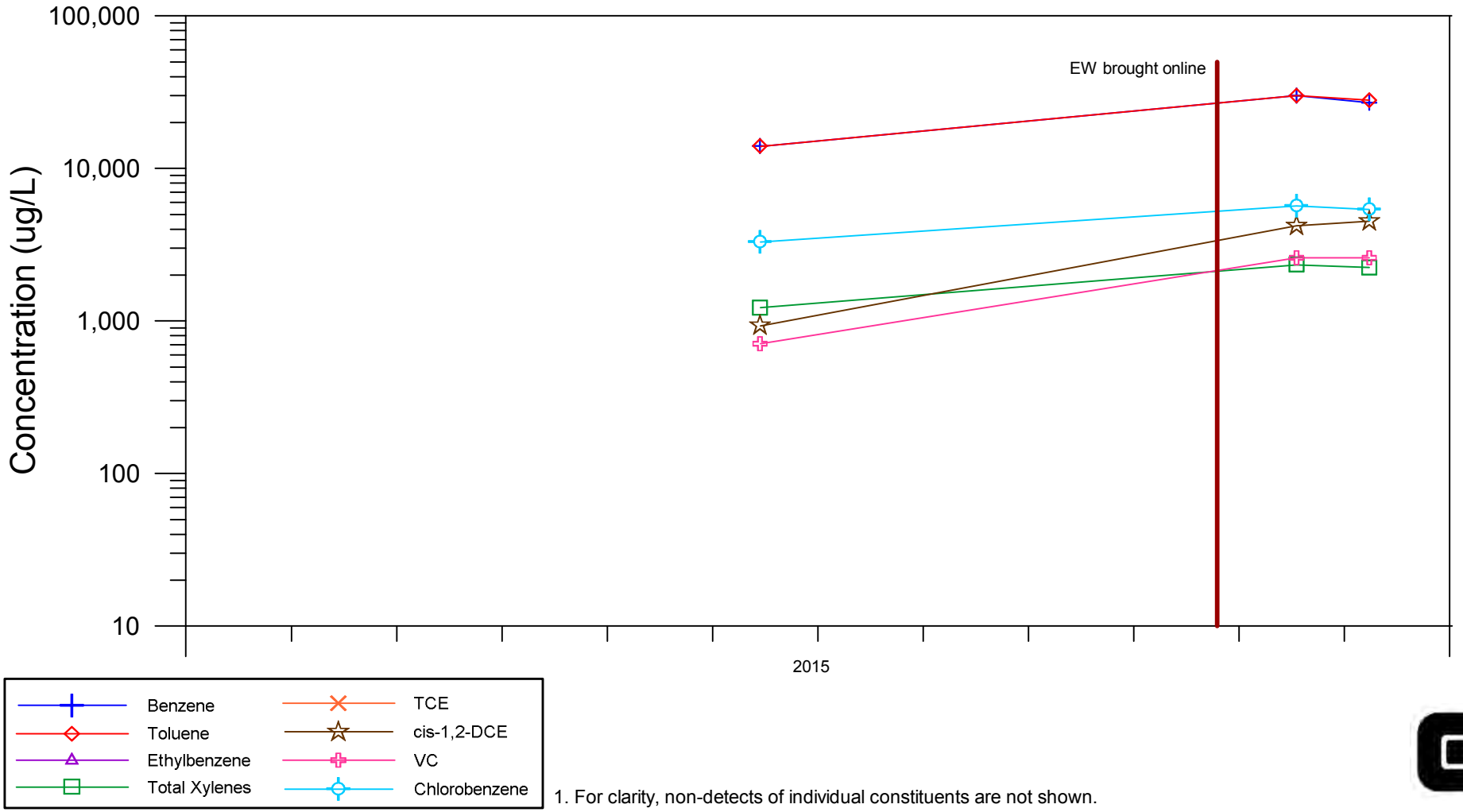


1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-22

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-7

Dewey Loeffel Landfill Superfund Site
Nassau, New York

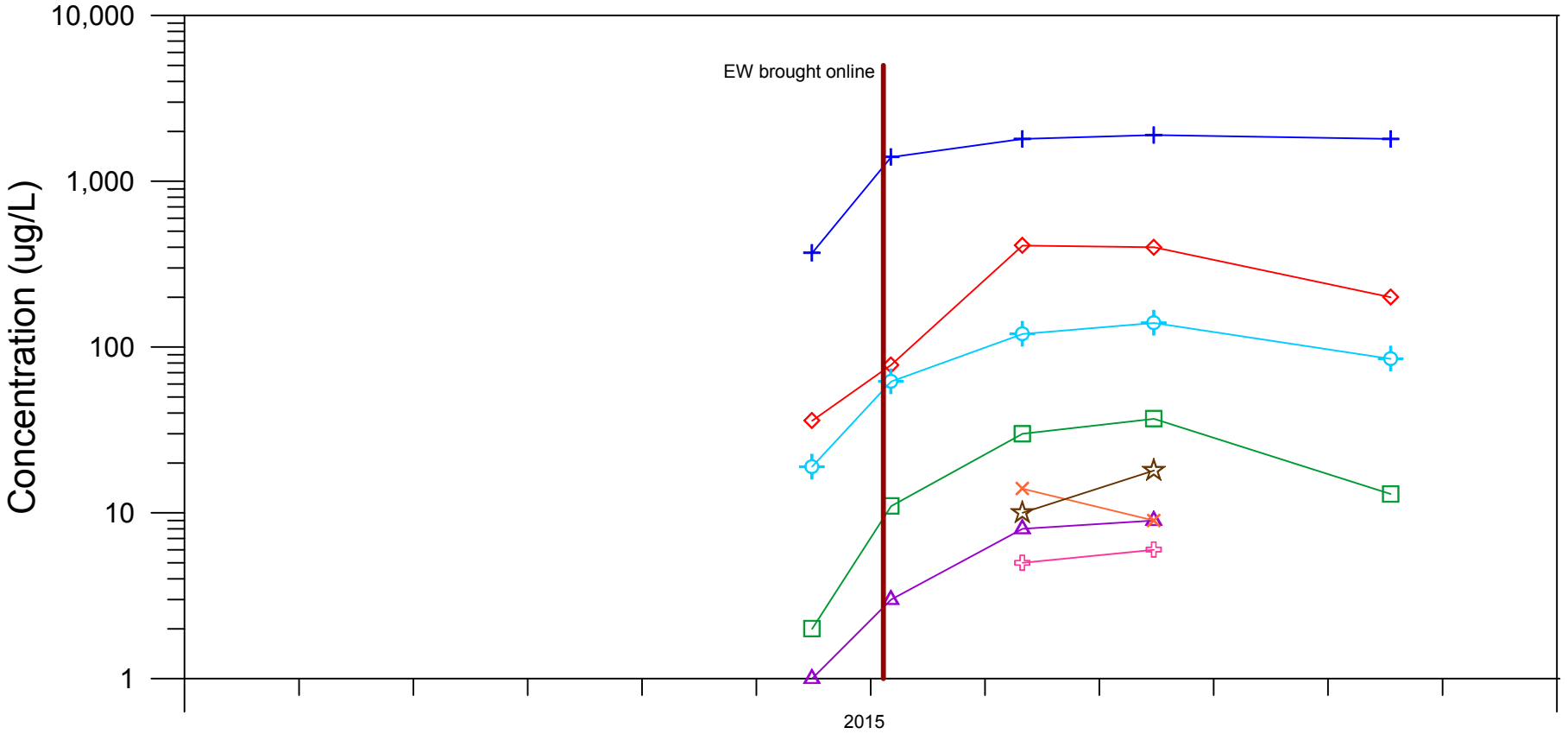


1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-23

CONCENTRATIONS OF VOCs IN EXTRACTION WELL EW-8

Dewey Loeffel Landfill Superfund Site
Nassau, New York

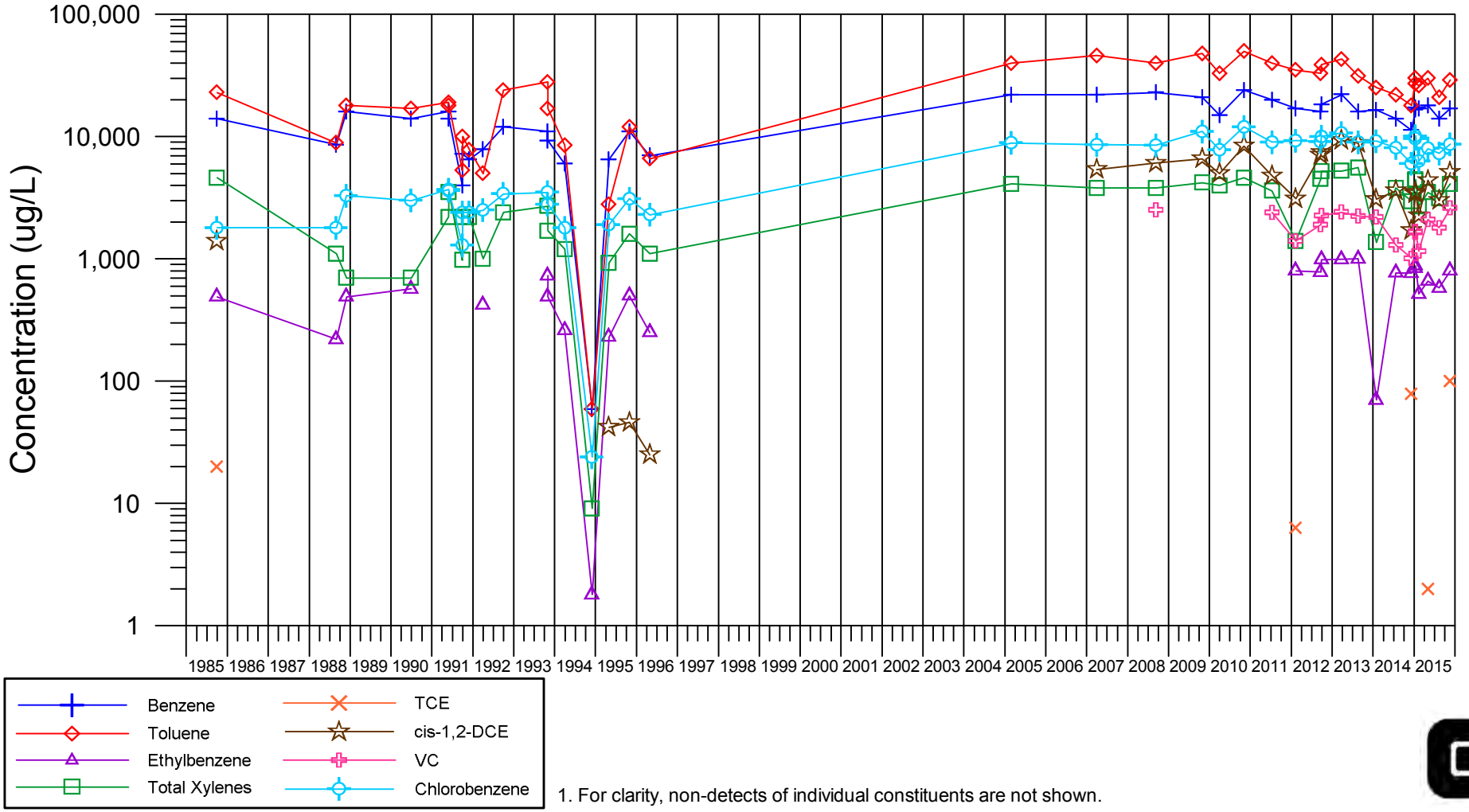


1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-24

CONCENTRATIONS OF VOCs IN LEACHATE COLLECTION TANK

Dewey Loeffel Landfill Superfund Site
Nassau, New York

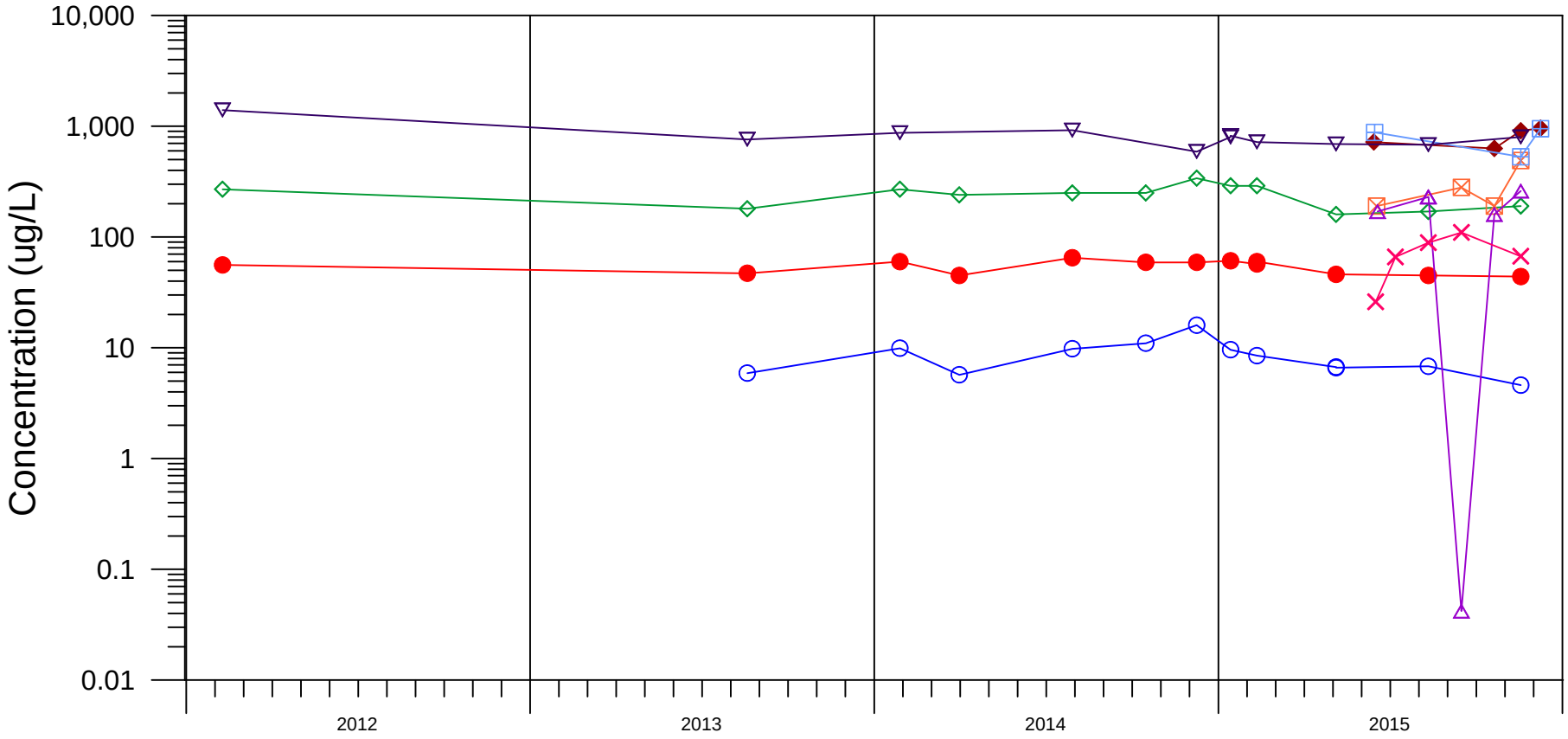


1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-25

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

Dewey Loeffel Landfill
Nassau, New York

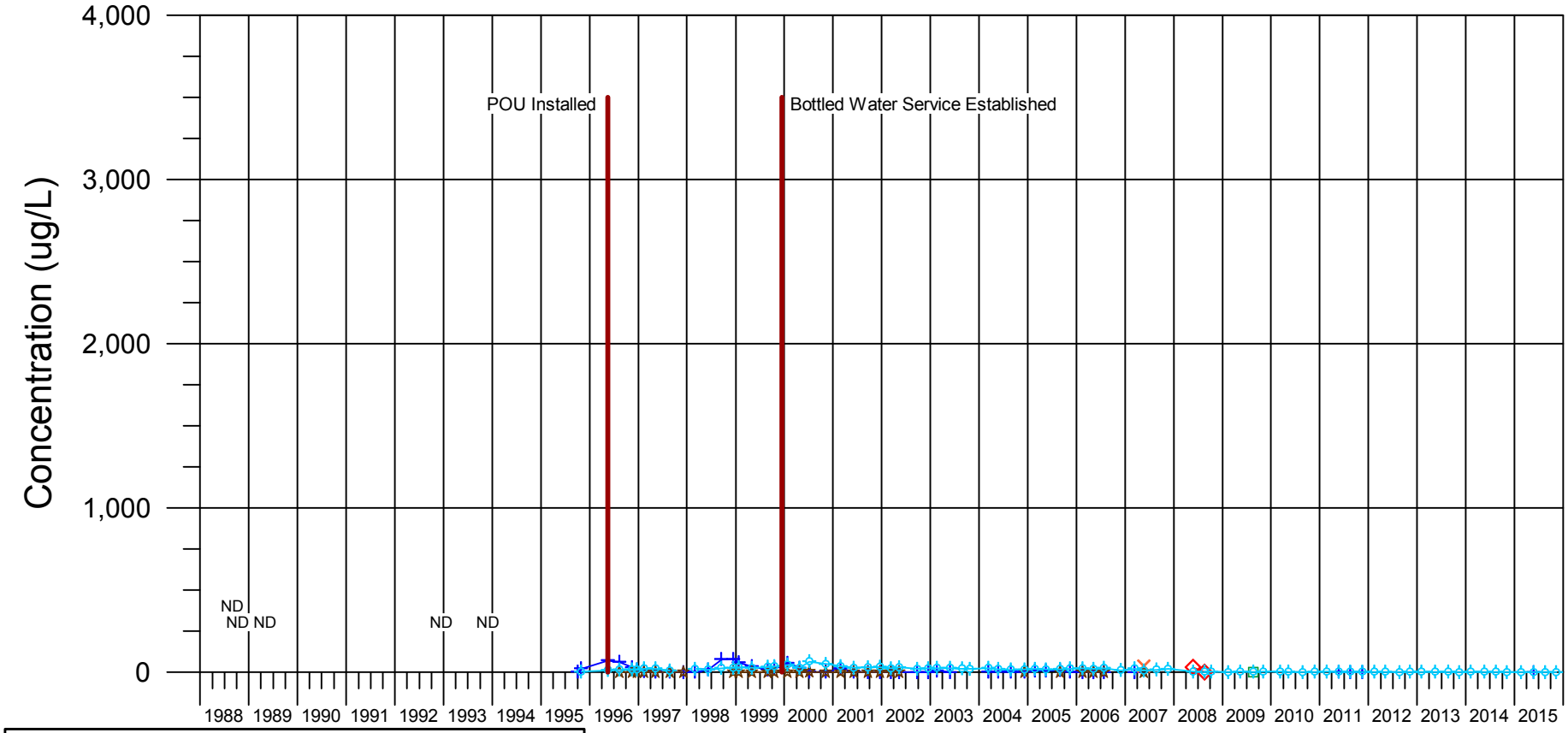


1. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-26a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 1

Dewey Loeffel Landfill Superfund Site
Nassau, New York

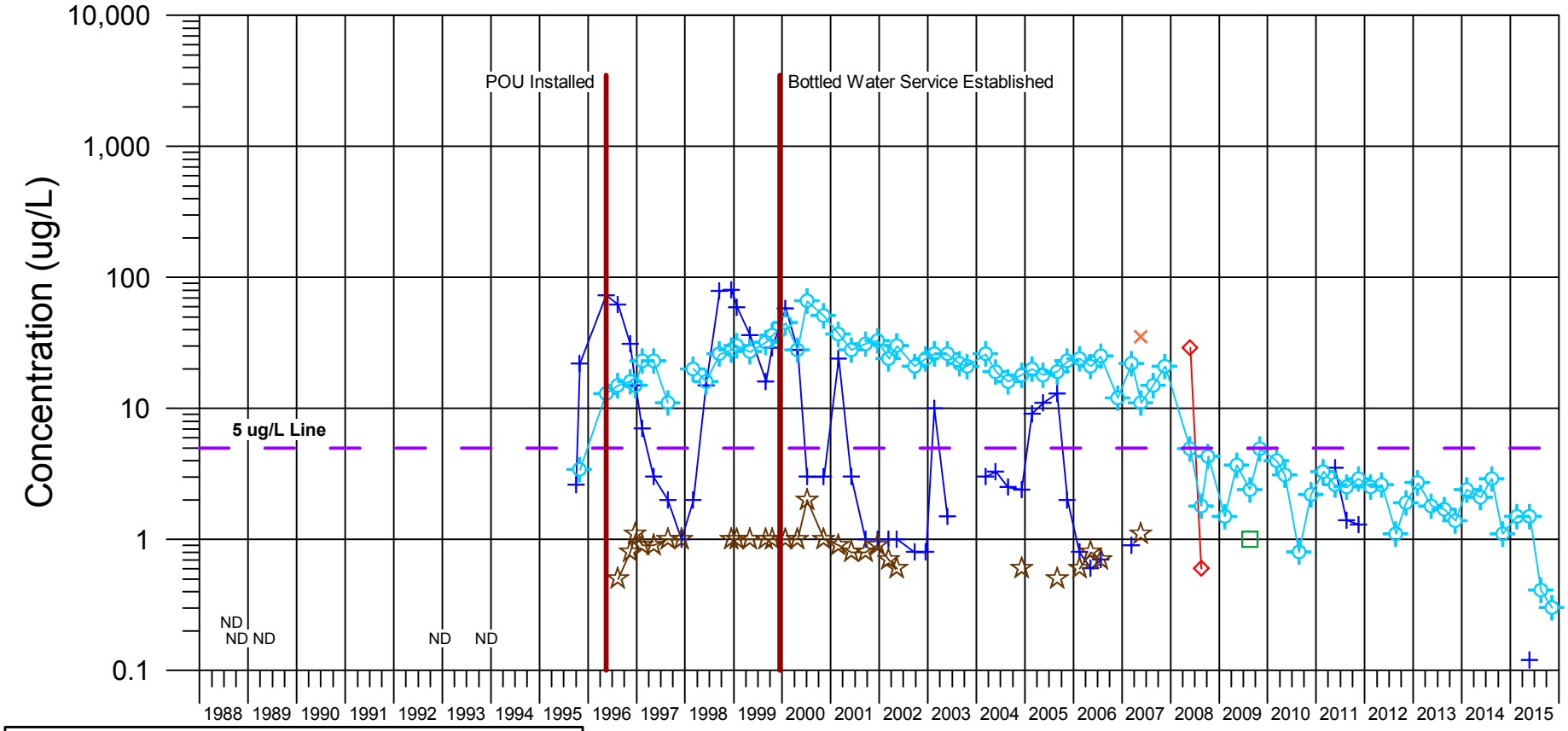


1. "ND" designates the eight constituents at left were not detected.
2. Total xylene is comprised of m,p-xylene and o-xylene.
3. For clarity, non-detects of individual constituents are not shown.

FIGURE 4-26b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 1

Dewey Loeffel Landfill Superfund Site
Nassau, New York

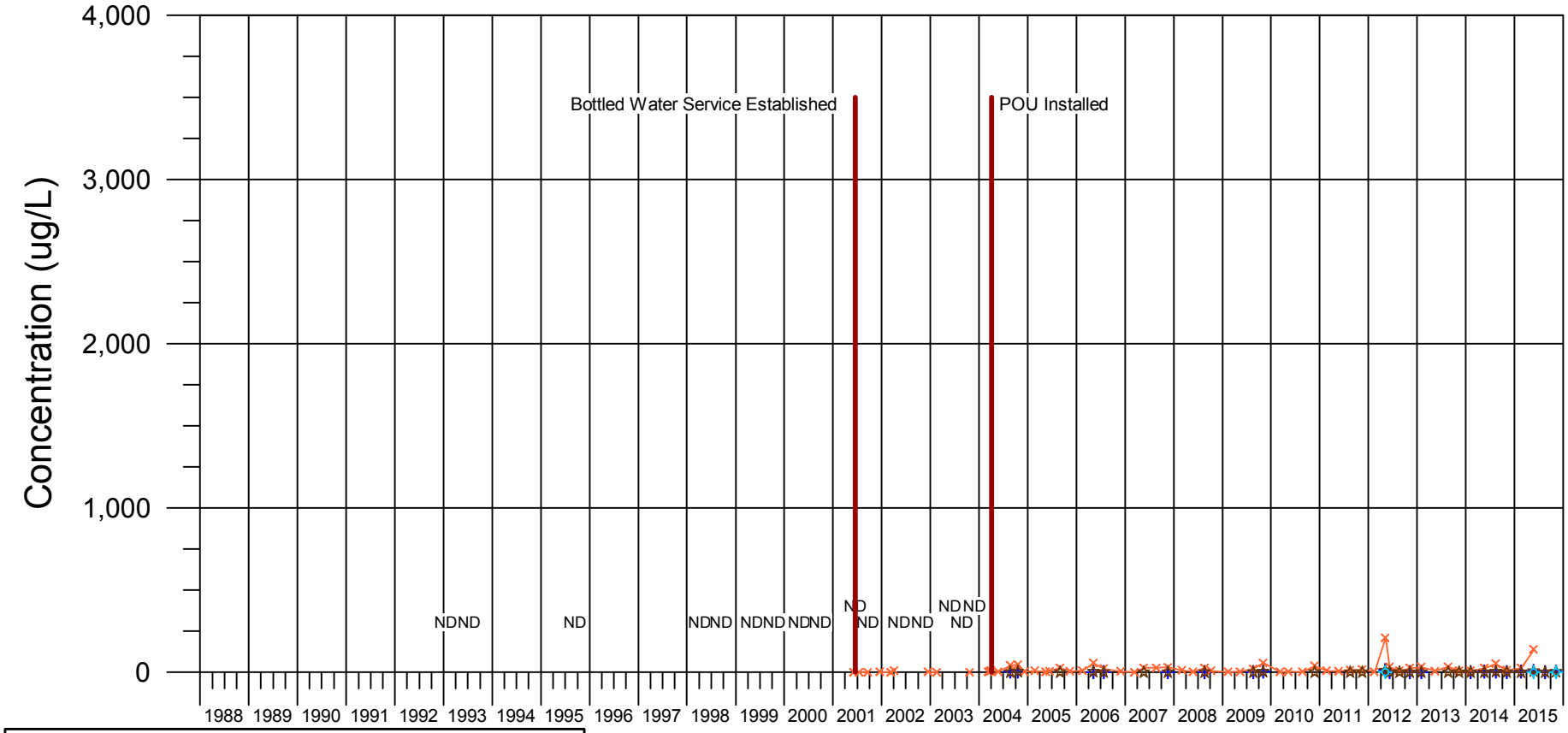


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.

FIGURE 4-27a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 23

Dewey Loeffel Landfill Superfund Site
Nassau, New York

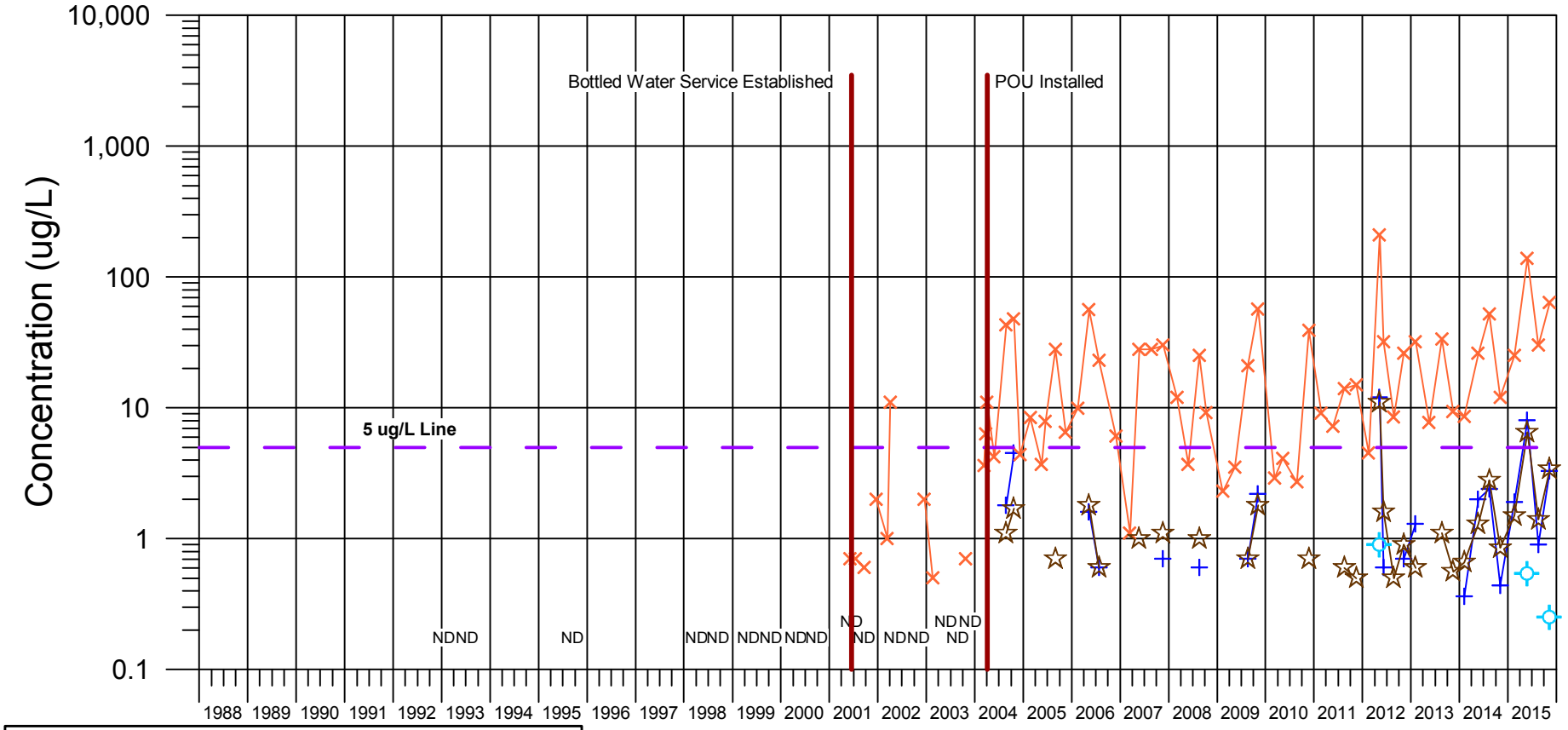


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Anomalous result obtained on May 9, 2012 was not confirmed. by resampling on June 7, 2012.

FIGURE 4-27b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 23

Dewey Loeffel Landfill Superfund Site
Nassau, New York

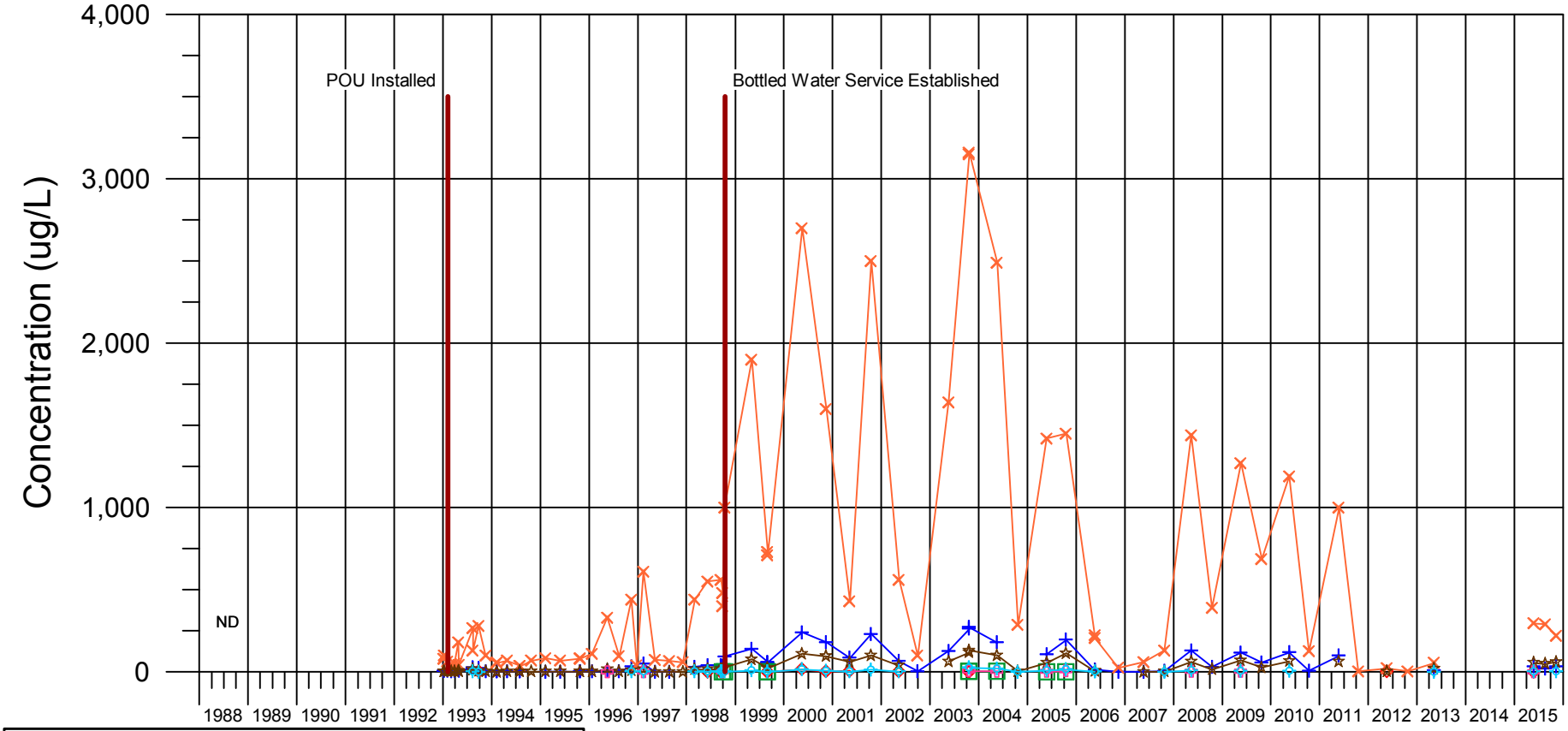


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Anomalous result obtained on May 9, 2012 was not confirmed by resampling on June 7, 2012.

FIGURE 4-28a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24S

Dewey Loeffel Landfill Superfund Site
Nassau, New York

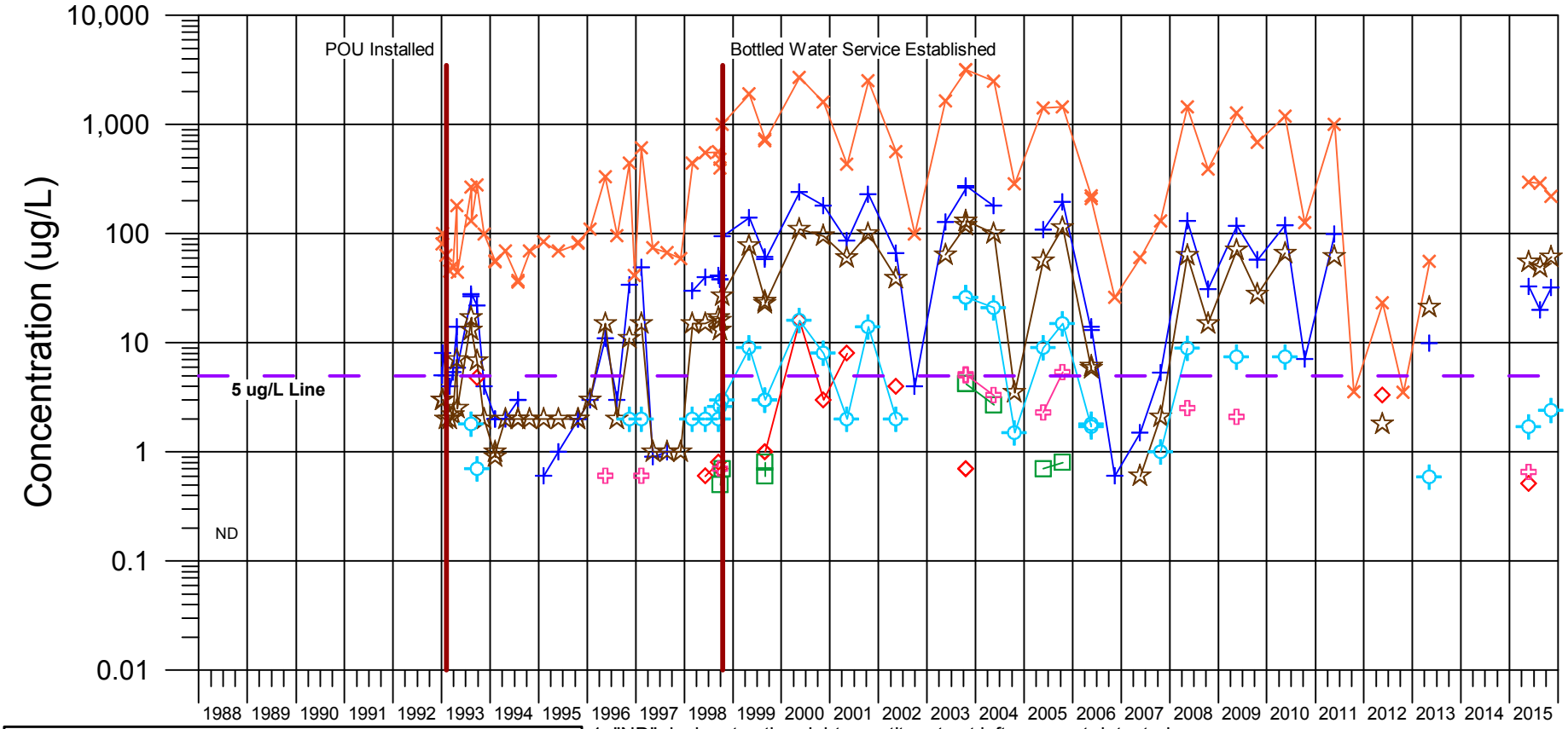


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual consituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Well 24S was also sampled on June 16, 1981. The eight constituents at left were not detected.
5. On October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

FIGURE 4-28b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24S

Dewey Loeffel Landfill Superfund Site
Nassau, New York

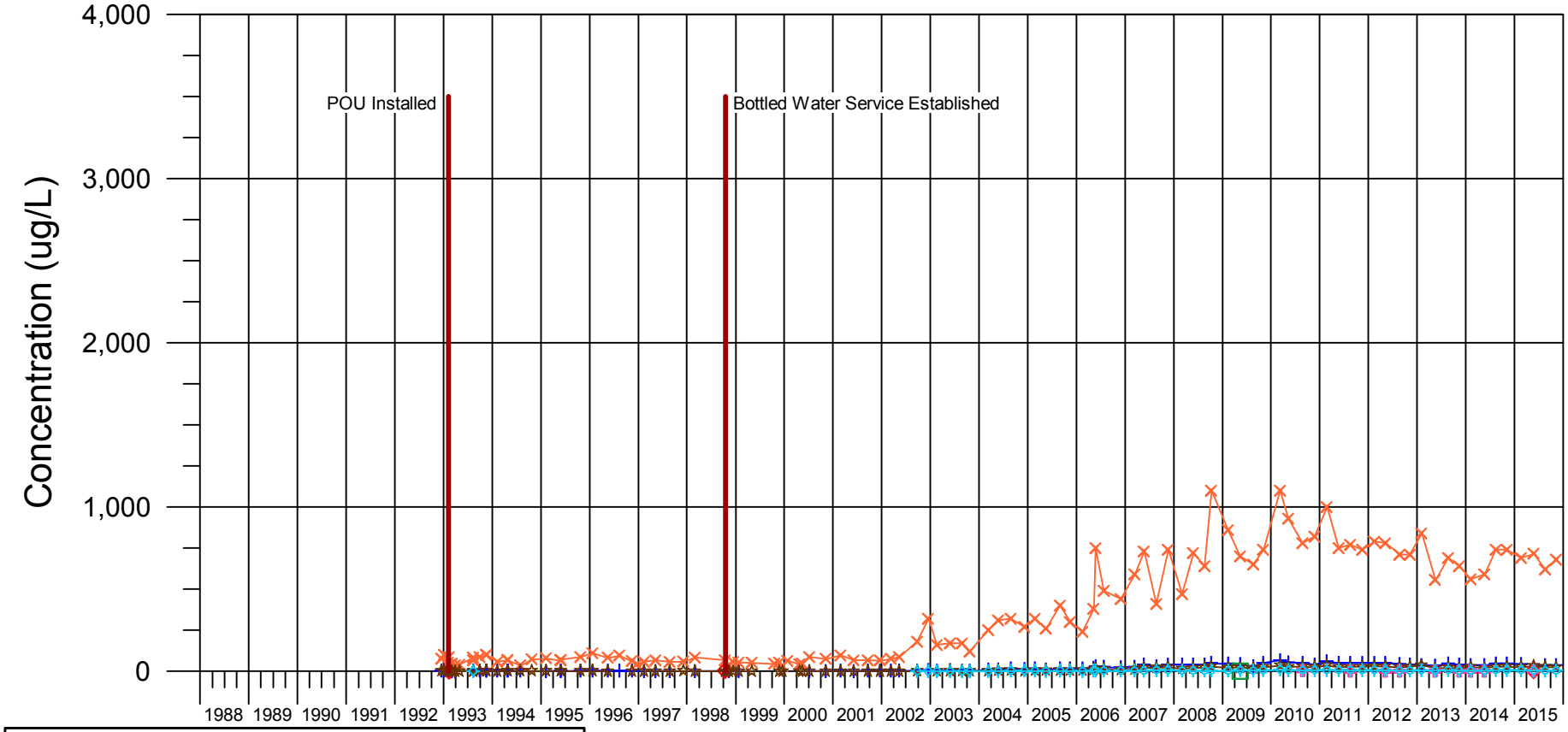


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual consituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. Well 24S was also sampled on June 16, 1981. The eight constituents at left were not detected.
5. On October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

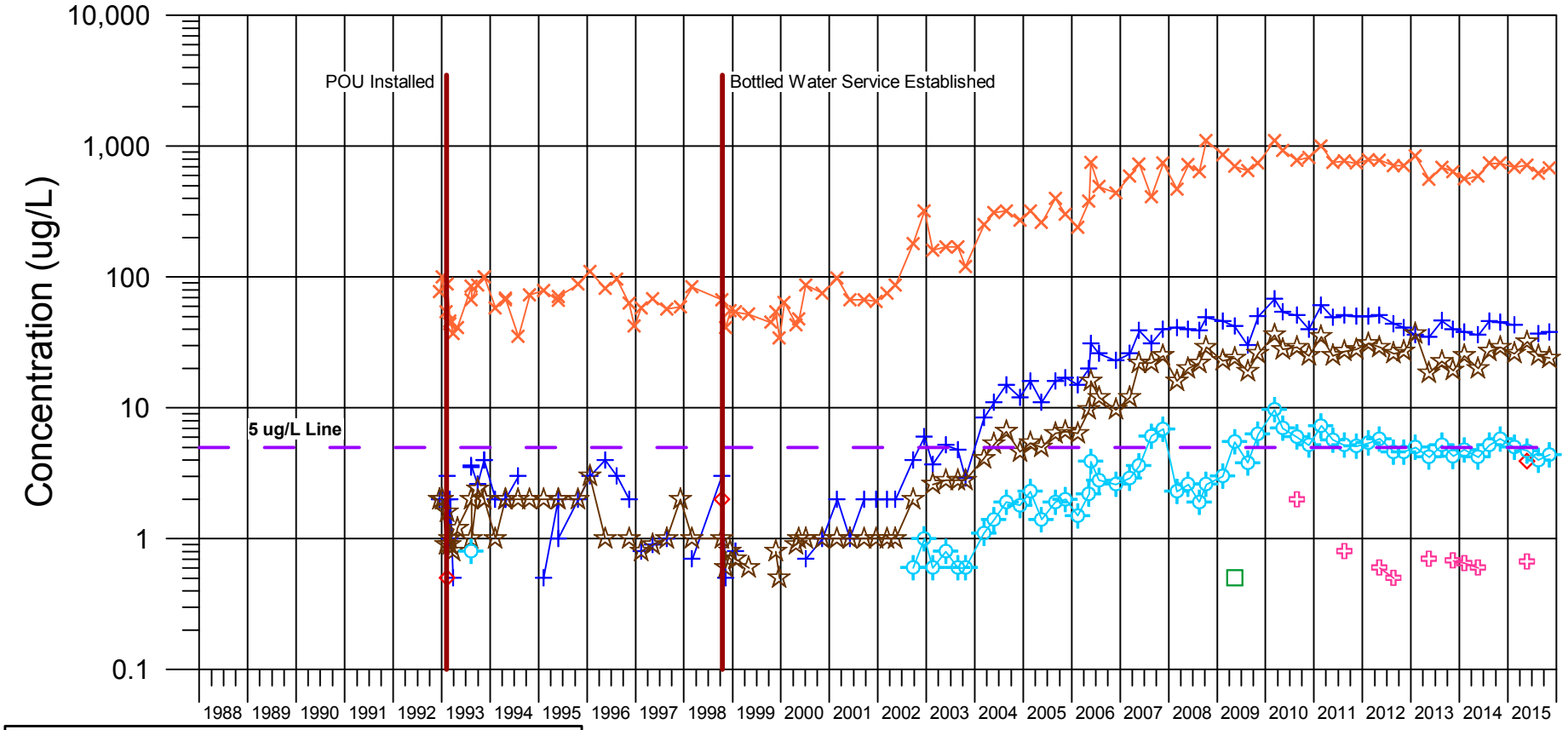


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. On October 2, 1998, well 24S was shut down and well 24D was placed into operation.

FIGURE 4-29b

CONCENTRATIONS OF VOCs AT NYSDOH WELL 24D

Dewey Loeffel Landfill Superfund Site
Nassau, New York

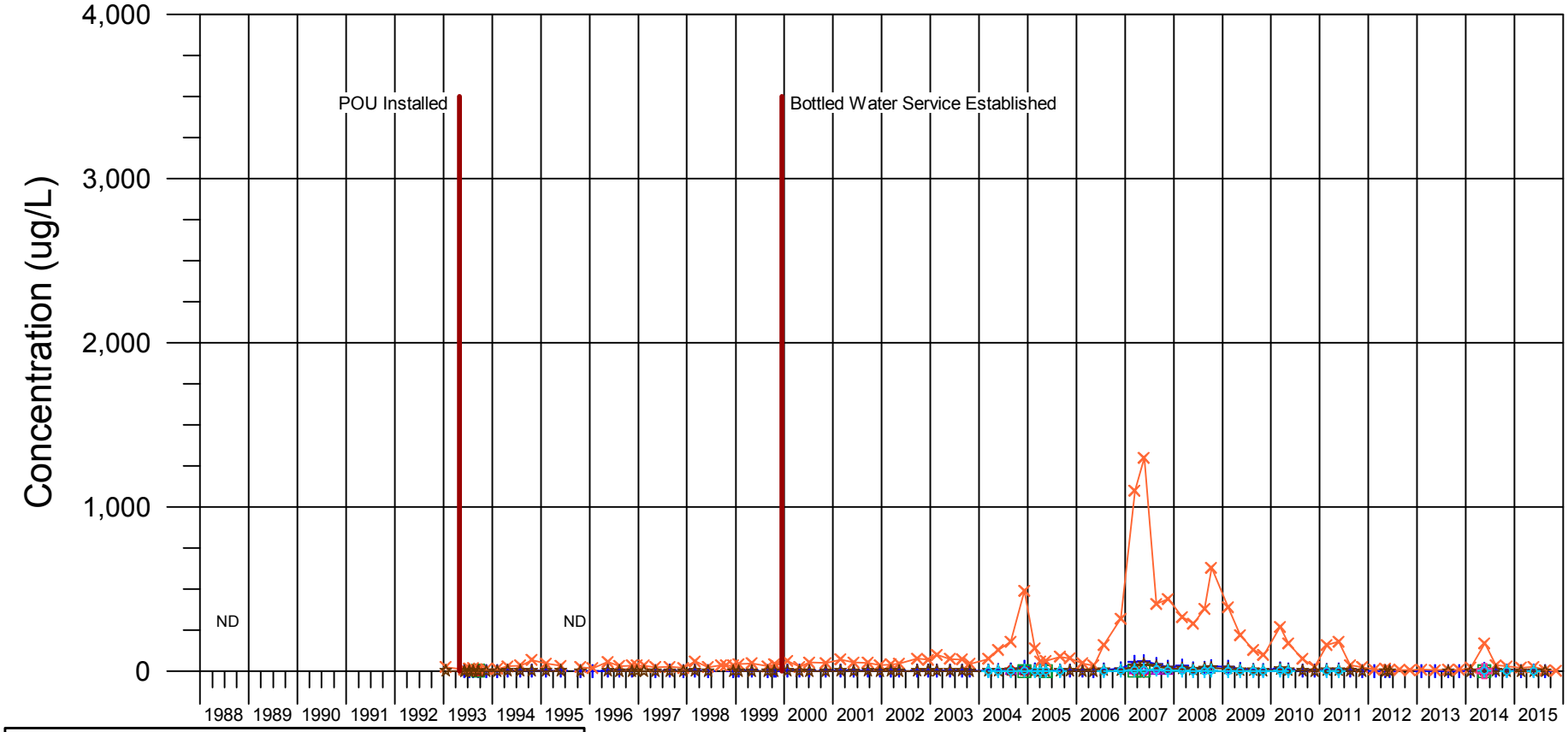


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.
4. On October 2, 1998, well 24S was shut down and well 24D was placed into operation.

FIGURE 4-30a

CONCENTRATIONS OF VOCs AT NYSDOH WELL 25

Dewey Loeffel Landfill Superfund Site
Nassau, New York

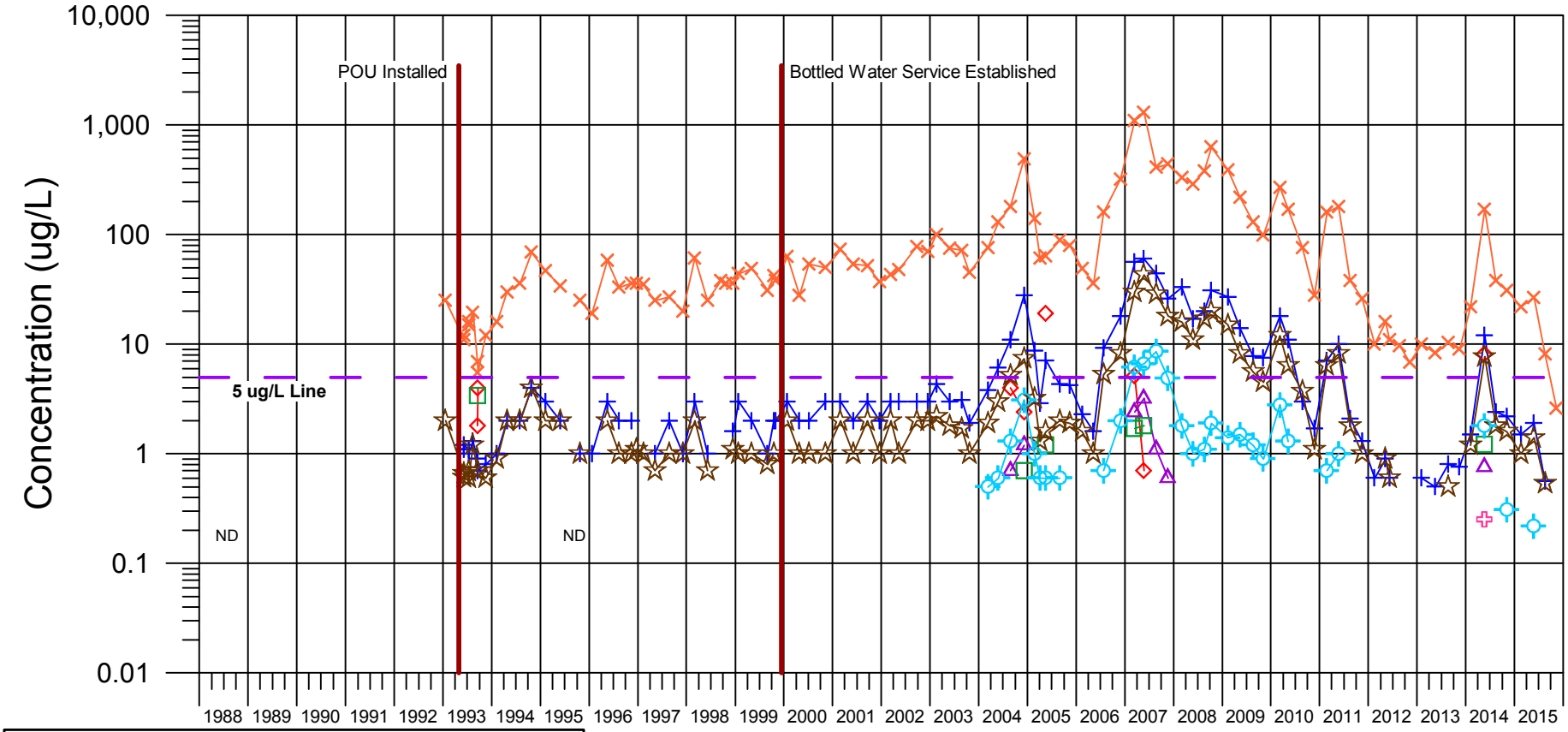


1. "ND" designates the eight constituents at left were not detected.
2. For clarity, non-detects of individual constituents are not shown.
3. Total xylene is comprised of m,p-xylene and o-xylene.

FIGURE 4-30b

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.

Appendices

Quarterly Fluid Level Measurements

Dewey Loeffel Landfill Superfund Site
Nassau, New York
Fluid Level Measurements - March 27, 2015

Well ID	Well Interval	Measuring Point Elevation (ft amsl)	Depth to Water (ft bmp)	Water Elevation (ft amsl)	Product Thickness (ft)	Depth to Product (ft bmp)
Monitoring Wells Inside Cut-Off Wall						
GMW-1D	overburden	641.97°	24.75	617.22	- -	- -
GMW-10B	overburden	642.27°	32.12	610.15	- -	- -
GMW-11B	overburden	646.56°	14.60	631.96	- -	- -
PO-1	overburden	650.78°	22.72	628.06	- -	- -
PO-2	overburden	644.30°	16.03	628.27	- -	- -
PO-3	overburden	645.25°	16.14	629.11	- -	- -
PO-4	overburden	643.14°	13.24	629.90	- -	- -
PW-4	overburden	642.99°	13.31	629.68	- -	- -
14C	overburden	652.39°	19.58	632.81	- -	- -
14F	overburden	650.07°	14.70	635.37	- -	- -
DB-1S	overburden	643.57	*	*	*	*
DB-2S	overburden	643.91	16.05**	627.86**$^{\Delta}$	2.07**	13.98**
DB-3S	overburden	642.62	18.65**	623.97**$^{\Delta}$	5.98**	12.67**
DB-4S	overburden	644.19	22.98**	621.21**$^{\Delta}$	7.90**	15.08**
DB-5S	overburden	642.86	23.67**	619.19**$^{\Delta}$	9.39**	14.28**
DB-6S	overburden	642.00	*	*	*	*
DB-7S	overburden	642.51	14.25	628.26	- -	- -
OB-1	overburden	651.00	17.92	633.08	- -	- -
OB-2	overburden	651.58	18.55	633.03	- -	- -
OB-3	overburden	650.72	17.71	633.01	- -	- -
OB-4	overburden	641.77	12.90	628.87	- -	- -
OB-5	overburden	642.24	14.82	627.42	- -	- -
OB-6	overburden	642.79	15.40	627.39	- -	- -
PTW-1	overburden	642.35	13.77	628.58	- -	- -
PTW-2	overburden	643.77	16.49	627.28	- -	- -
S-1	overburden	649.13	15.92	633.21	- -	- -
T-1	overburden	650.94	17.91	633.03	- -	- -
T-2	overburden	651.11	17.70	633.41	- -	- -
DB-1I	shallow bedrock	643.06	14.72	628.34	- -	- -
DB-2I	shallow bedrock	642.38	12.81	629.57	- -	- -
DB-3I	shallow bedrock	641.36	12.99	628.37	- -	- -
DB-4I	shallow bedrock	642.37	13.45	628.92	- -	- -
DB-5I	shallow bedrock	642.10	12.41	629.69	- -	- -
DB-6I	shallow bedrock	642.31	12.86	629.45	- -	- -
DB-7I	shallow bedrock	643.53	30.39	613.14	- -	- -
Monitoring Wells Inside Fence But Outside Cut-Off Wall						
GMW-11	overburden	639.57°	3.10	636.47	- -	- -
GMW-2B	overburden	640.43°	12.90	627.53	- -	- -
GMW-1C	overburden	625.17°	5.41	619.76	- -	- -
PW-1	overburden	642.75°	*	*	- -	- -
PW-2	overburden	644.39°	6.61	637.78	- -	- -
PW-3	overburden	651.07°	25.78	625.29	- -	- -
DB-8S	overburden	643.07	14.79	628.28	- -	- -
DB-8I	shallow bedrock	642.15	31.68	610.47	- -	- -
GMW-1B	shallow bedrock	632.22°	24.36	607.86	- -	- -
GMW-11A	shallow bedrock	640.26°	8.12	632.14	- -	- -
GMW-12B	shallow bedrock	639.60°	3.15	636.45	- -	- -
PB-1	shallow bedrock	643.07°	34.56	608.51	- -	- -
PB-2	shallow bedrock	650.66°	24.71	625.95	- -	- -

Notes

1. "ft amsl" designates feet above mean sea level.
2. "ft bmp" designates feet below measuring point.
3. "ft" designates feet.
4. "°" designates elevation in feet referenced to National Geodetic Vertical Datum of 1929 (NGVD 1929). All other measuring point elevations in feet referenced to North American Vertical Datum of 1988 (NAVD 88).
5. "*" designates measurement not taken due to obstruction in well.
6. "**" designates product thickness and depth to water measurement may not be reliable due to adhesion of product onto interface probe.
7. "$^{\Delta}$" designates that the water elevation has not been corrected to account for light non-aqueous phase liquid (LNAPL) accumulation.

Quarterly Water Level Measurements
May 12, 2015

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Depth to Water	Water Level Elevation
Monitoring Wells Inside Cut-Off Wall				
GMW-1D	overburden	641.97°	24.88	617.09
GMW-10B	overburden	642.27°	36.18	606.09
GMW-11B	overburden	646.56°	14.71	631.85
PO-1	overburden	650.78°	24.00	626.78
PO-2	overburden	644.30°	16.03	628.27
PO-3	overburden	645.25°	16.20	629.05
PO-4	overburden	643.14°	13.31	629.83
PW-4	overburden	642.99°	13.40	629.59
14C	overburden	652.39°	19.69	632.70
14F	overburden	650.07°	14.11	635.96
DB-1S*	overburden	643.57	**	**
DB-2S*	overburden	643.91	NA	NA
DB-3S*	overburden	642.62	18.59$^{\Delta}$	624.03$^{\Delta}$
DB-4S*	overburden	644.19	22.08$^{\Delta}$	622.11$^{\Delta}$
DB-5S*	overburden	642.86	23.18$^{\Delta}$	619.68$^{\Delta}$
DB-6S*	overburden	642.00	**	**
DB-7S	overburden	642.51	14.32	628.19
OB-1	overburden	651.00	18.24	632.76
OB-2	overburden	651.58	18.81	632.77
OB-3	overburden	650.72	18.05	632.67
OB-4	overburden	641.77	13.00	628.77
OB-5	overburden	642.24	14.88	627.36
OB-6	overburden	642.79	15.45	627.34
PTW-1	overburden	642.35	13.87	628.48
PTW-2	overburden	643.77	16.57	627.20
S-1	overburden	649.13	16.25	632.88
T-1	overburden	650.94	18.34	632.60
T-2	overburden	651.11	18.06	633.05
DB-1I	shallow bedrock	643.06	15.19	627.87
DB-2I	shallow bedrock	642.38	13.00	629.38
DB-3I	shallow bedrock	641.36	13.25	628.11
DB-4I	shallow bedrock	642.37	13.81	628.56
DB-5I	shallow bedrock	642.10	12.60	629.50
DB-6I	shallow bedrock	642.31	13.14	629.17
DB-7I	shallow bedrock	643.53	33.92	609.61
Monitoring Wells Inside Fence But Outside Cut-Off Wall				
GMW-11	overburden	639.57°	4.65	634.92
GMW-2B	overburden	640.43°	12.98	627.45
GMW-1C	overburden	625.17°	8.17	617.00
PW-1	overburden	642.75°	**	**
PW-2	overburden	644.39°	8.32	636.07
PW-3	overburden	651.07°	27.27	623.80
DB-8S	overburden	643.07	12.80	630.27
DB-8I	shallow bedrock	642.15	35.38	606.77
GMW-1B	shallow bedrock	632.22°	24.31	607.91
GMW-11A	shallow bedrock	640.26°	8.57	631.69
GMW-12B	shallow bedrock	639.60°	3.10	636.50
PB-1	shallow bedrock	643.07°	39.30	603.77
PB-2	shallow bedrock	650.66°	25.69	624.97

Notes

1. "°" designates elevations are in feet referenced to North American Vertical Datum of 1929 based on review of available data provided by GeoTrans, Inc. All other elevations in feet referenced to North American Vertical Datum of 1988.
2. Depth to water is provided in feet below measuring point.
3. "*" designates well with possible light non-aqueous phase liquid (LNAPL) accumulation. Water level elevation is not corrected to account for LNAPL.
4. "**" designates measurement not taken due to obstruction in well.
5. "NA" designates not applicable.
6. "$^{\Delta}$" designates measurement may not be reliable due to adhesion of product onto interface probe.

Quarterly Light Non-Aqueous Phase Liquid (LNAPL) Measurements
May 12, 2015

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Product Thickness	Depth to Product
DB-1S	overburden	**	**
DB-2S	overburden	1.64$^{\Delta}$	14.36$^{\Delta}$
DB-3S	overburden	5.74$^{\Delta}$	12.85$^{\Delta}$
DB-4S	overburden	7.34$^{\Delta}$	14.74$^{\Delta}$
DB-5S	overburden	8.76$^{\Delta}$	14.42$^{\Delta}$
DB-6S	overburden	**	**

Notes

1. Product thickness is in feet.
2. Depth to product in feet below measuring point.
3. "**" designates measurement not taken due to obstruction in well.
4. "$^{\Delta}$" designates measurement may not be reliable due to adhesion of product onto interface probe.

Quarterly Water Level Measurements

August 5, 2015

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
Monitoring Wells Inside Cut-Off Wall					
GMW-1D	Overburden	641.03	638.5	26.28	614.75
GMW-10B	Overburden	641.29	639.2	40.52	600.77
GMW-11B	Overburden	645.55	644.1	14.94	630.61
PO-1	Overburden	649.83	646.7	25.16	624.67
PO-2	Overburden	643.41	640.8	16.09	627.32
PO-3	Overburden	644.47	641.5	16.20	628.27
PO-4	Overburden	642.40	639.9	13.56	628.84
PW-4	Overburden	642.56	640.6	13.57	628.99
14C	Overburden	652.09	650.0	19.85	632.24
14F	Overburden	648.06	647.9	14.70	633.36
DB-1S*	Overburden	643.85	641.6	**	**
DB-2S*	Overburden	643.65	641.2	NA	NA
DB-3S*	Overburden	642.36	640.7	20.15$^{\Delta}$	622.21$^{\Delta}$
DB-4S*	Overburden	644.09	642.0	22.64$^{\Delta}$	621.45$^{\Delta}$
DB-5S*	Overburden	644.26	640.7	NM	NM
DB-6S*	Overburden	641.77	640.7	**	**
DB-7S	Overburden	643.58	641.3	14.47	629.11
OB-1	Overburden	650.59	648.0	18.50	632.09
OB-2	Overburden	651.25	648.3	19.09	632.16
OB-3	Overburden	650.38	647.6	18.26	632.12
OB-4	Overburden	641.46	639.2	13.26	628.20
OB-5	Overburden	642.09	640.1	15.07	627.02
OB-6	Overburden	642.62	640.2	15.66	626.96
PTW-1	Overburden	642.29	639.2	14.10	628.19
PTW-2	Overburden	643.71	640.9	16.77	626.94
S-1	Overburden	648.65	647.3	16.51	632.14
T-1	Overburden	650.53	647.7	18.54	631.99
T-2	Overburden	650.41	648.1	18.31	632.10
DB-1I	Shallow Bedrock	642.79	641.1	15.73	627.06
DB-2I	Shallow Bedrock	642.13	641.1	13.38	628.75
DB-3I	Shallow Bedrock	642.06	640.3	13.64	628.42
DB-4I	Shallow Bedrock	642.10	641.1	14.31	627.79
DB-5I	Shallow Bedrock	641.84	640.6	12.98	628.86
DB-6I	Shallow Bedrock	642.06	640.4	13.44	628.62
DB-7I	Shallow Bedrock	643.28	641.3	37.42	605.86
Monitoring Wells Inside Fence But Outside Cut-Off Wall					
GMW-11	Overburden	639.68	637.5	6.70	632.98
GMW-2B	Overburden	639.52	637.8	13.04	626.48
GMW-1C	Overburden	625.40	622.1	9.15	616.25
PW-1	Overburden	641.78	638.6	**	**
PW-2	Overburden	643.33	640.8	10.48	632.85
PW-3	Overburden	650.09	646.5	28.17	621.92
DB-8S	Overburden	642.81	640.9	14.40	628.41
DB-8I	Shallow Bedrock	641.91	640.6	39.20	602.71
GMW-1B	Shallow Bedrock	631.32	629.6	27.46	603.86
GMW-11A	Shallow Bedrock	638.61	636.4	9.06	629.55
GMW-12B	Shallow Bedrock	638.65	636.8	3.62	635.03
PB-1	Shallow Bedrock	641.93	639.4	44.95	596.98
PB-2	Shallow Bedrock	649.70	647.1	26.05	623.65

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point.
3. "*" designates well with possible light non-aqueous phase liquid (LNAPL) accumulation. Water level elevation is not corrected to account for LNAPL.
4. "**" designates measurement not taken due to obstruction in well.
5. "NA" designates not applicable.
6. "$^{\Delta}$" 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 Light Non-Aqueous Phase Liquid (LNAPL) Measurements

August 5, 2015

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Product Thickness	Depth to Product
DB-1S	Overburden	**	**
DB-2S	Overburden	1.57$^{\Delta}$	14.43$^{\Delta}$
DB-3S	Overburden	7.08$^{\Delta}$	13.07$^{\Delta}$
DB-4S	Overburden	8.11$^{\Delta}$	14.53$^{\Delta}$
DB-5S	Overburden	NM	14.76$^{\Delta}$
DB-6S	Overburden	**	**

Notes

1. Product thickness provided in feet.
2. Depth to product provided in feet below measuring point.
3. "**" designates measurement not taken due to obstruction in well.
4. "$^{\Delta}$" designates measurement may not be reliable due to adhesion of product onto interface probe.
5. "NM" designates no measurement could be obtained due to product on tip of probe.

Quarterly Water Level Measurements
October 8, 2015

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
Monitoring Wells Inside Cut-Off Wall					
GMW-1D	Overburden	641.03	638.5	26.47	614.56
GMW-10B	Overburden	641.29	639.2	46.53	594.76
GMW-11B	Overburden	645.55	644.1	15.33	630.22
PO-1	Overburden	649.83	646.7	24.89	624.94
PO-2	Overburden	643.41	640.8	16.90	626.51
PO-3	Overburden	644.47	641.5	17.05	627.42
PO-4	Overburden	642.40	639.9	14.34	628.06
PW-4	Overburden	642.56	640.6	14.32	628.24
14C	Overburden	652.09	650.0	20.14	631.95
14F	Overburden	648.06	647.9	14.77	633.29
DB-1S*	Overburden	643.85	641.6	**	**
DB-2S*	Overburden	643.65	641.2	NA	NA
DB-3S*	Overburden	642.36	640.7	21.91$^{\Delta}$	620.45$^{\Delta}$
DB-4S*	Overburden	644.09	642.0	NM	NM
DB-5S*	Overburden	644.26	640.7	NM	NM
DB-6S*	Overburden	641.77	640.7	**	**
DB-7S	Overburden	643.58	641.3	15.20	628.38
OB-1	Overburden	650.59	648.0	18.53	632.06
OB-2	Overburden	651.25	648.3	19.11	632.14
OB-3	Overburden	650.38	647.6	18.30	632.08
OB-4	Overburden	641.46	639.2	14.01	627.45
OB-5	Overburden	642.09	640.1	15.82	626.27
OB-6	Overburden	642.62	640.2	16.45	626.17
PTW-1	Overburden	642.29	639.2	14.90	627.39
PTW-2	Overburden	643.71	640.9	17.56	626.15
S-1	Overburden	648.65	647.3	16.55	632.10
T-1	Overburden	650.53	647.7	18.52	632.01
T-2	Overburden	650.41	648.1	18.34	632.07
DB-1I	Shallow Bedrock	642.79	641.1	16.76	626.03
DB-2I	Shallow Bedrock	642.13	641.1	14.10	628.03
DB-3I	Shallow Bedrock	642.06	640.3	14.45	627.61
DB-4I	Shallow Bedrock	642.10	641.1	15.20	626.90
DB-5I	Shallow Bedrock	641.84	640.6	13.63	628.21
DB-6I	Shallow Bedrock	642.06	640.4	14.14	627.92
DB-7I	Shallow Bedrock	643.28	641.3	42.19	601.09
Monitoring Wells Inside Fence But Outside Cut-Off Wall					
GMW-11	Overburden	639.68	637.5	6.10	633.58
GMW-2B	Overburden	639.52	637.8	13.56	625.96
GMW-1C	Overburden	625.40	622.1	8.85	616.55
PW-1	Overburden	641.78	638.6	**	**
PW-2	Overburden	643.33	640.8	9.84	633.49
PW-3	Overburden	650.09	646.5	27.78	622.31
DB-8S	Overburden	642.81	640.9	15.73	627.08
DB-8I	Shallow Bedrock	641.91	640.6	44.80	597.11
GMW-1B	Shallow Bedrock	631.32	629.6	30.30	601.02
GMW-11A	Shallow Bedrock	638.61	636.4	9.51	629.10
GMW-12B	Shallow Bedrock	638.65	636.8	4.24	634.41
PB-1	Shallow Bedrock	641.93	639.4	51.08	590.85
PB-2	Shallow Bedrock	649.70	647.1	26.39	623.31

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point.
3. "*" designates well with possible light non-aqueous phase liquid (LNAPL) accumulation. Water level elevation is not corrected to account for LNAPL.
4. "**" designates measurement not taken due to obstruction in well.
5. "NA" designates not applicable.
6. "$^{\Delta}$" 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 Light Non-Aqueous Phase Liquid (LNAPL) Measurements
October 8, 2015

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Product Thickness	Depth to Product
DB-1S	Overburden	**	**
DB-2S	Overburden	1.32$^{\Delta}$	14.68$^{\Delta}$
DB-3S	Overburden	8.17$^{\Delta}$	13.74$^{\Delta}$
DB-4S	Overburden	NM	15.10$^{\Delta}$
DB-5S	Overburden	NM	15.50$^{\Delta}$
DB-6S	Overburden	**	**

Notes

1. Product thickness provided in feet.
2. Depth to product provided in feet below measuring point.
3. "**" designates measurement not taken due to obstruction in well.
4. "$^{\Delta}$" designates measurement may not be reliable due to adhesion of product onto interface probe.
5. "NM" designates no measurement could be obtained due to product on tip of probe.

Extraction Well Start-Up Hydraulic Monitoring

Monthly Water Level Measurements

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
July 8, 2015

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	41.20	598.39
OMW-102	Bedrock	639.14	636.5	40.98	598.16
OMW-103	Bedrock	643.76	642.3	8.73	635.03
OMW-107	Overburden	625.51	623.2	3.83	621.68
OMW-108	Bedrock	625.08	623.2	23.74	601.34
OMW-201	Bedrock	639.17	636.9	40.95	598.22
OMW-202	Bedrock	656.23	654.4	69.44	586.79
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	30.65	620.33
OMW-206	Bedrock	618.01	615.9	22.03	595.98
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	60.15	594.84
OMW-213	Bedrock	668.04	665.9	79.55	588.49
OMW-214	Bedrock	655.83	655.1	40.67	615.16
OMW-215	Bedrock	657.05	654.8	67.50	589.55
OMW-216	Bedrock	658.15	656.7	47.53	610.62
OMW-218	Bedrock	654.18	651.5	59.26	594.92
OMW-219	Bedrock	666.38	664.3	71.30	595.08
OMW-220	Bedrock	636.34	634.1	31.79	604.55
OMW-221*	Bedrock	592.25	591.1	3.42	595.67
OMW-222	Bedrock	599.65	597.7	23.48	576.17
OMW-223	Bedrock	595.21	593.1	11.40	583.81
OPZ-207	Bedrock	648.60	647.4	50.10	598.50
OPZ-217	Bedrock	665.63	663.8	18.95	646.68
EPA-1	Bedrock	669.59	667.4	76.15	593.44
EPA-2	Bedrock	620.99	618.6	15.96	605.03
EPA-3	Bedrock	688.39	685.5	95.62	592.77
EPA-4	Bedrock	690.39	688.2	95.60	594.79
EPA-5	Bedrock	628.51	625.3	6.60	621.91

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. Formation collapse suspected in OMW-204 and OMW-219, however water levels still able to be collected when applicable.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
August 5, 2015

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	43.47	596.12
OMW-102	Bedrock	639.14	636.5	43.25	595.89
OMW-103	Bedrock	643.76	642.3	9.42	634.34
OMW-107	Overburden	625.51	623.2	4.61	620.90
OMW-108	Bedrock	625.08	623.2	25.01	600.07
OMW-201	Bedrock	639.17	636.9	43.24	595.93
OMW-202	Bedrock	656.23	654.4	72.73	583.50
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.12	619.86
OMW-206	Bedrock	618.01	615.9	22.87	595.14
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	61.41	593.58
OMW-213	Bedrock	668.04	665.9	81.92	586.12
OMW-214	Bedrock	655.83	655.1	40.92	614.91
OMW-215	Bedrock	657.05	654.8	69.92	587.13
OMW-216	Bedrock	658.15	656.7	48.02	610.13
OMW-218	Bedrock	654.18	651.5	60.54	593.64
OMW-219	Bedrock	666.38	664.3	71.28	595.10
OMW-220	Bedrock	636.34	634.1	33.15	603.19
OMW-221*	Bedrock	592.25	591.1	7.58	599.83
OMW-222	Bedrock	599.65	597.7	25.52	574.13
OMW-223	Bedrock	595.21	593.1	11.32	583.89
OPZ-207	Bedrock	648.60	647.4	52.08	596.52
OPZ-217	Bedrock	665.63	663.8	18.99	646.64
EPA-1	Bedrock	669.59	667.4	77.92	591.67
EPA-2	Bedrock	620.99	618.6	16.39	604.60
EPA-3	Bedrock	688.39	685.5	97.35	591.04
EPA-4	Bedrock	690.39	688.2	97.32	593.07
EPA-5	Bedrock	628.51	625.3	7.18	621.33

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. Formation collapse suspected in OMW-204 and OMW-219, however water levels still able to be collected when applicable.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
September 2, 2015

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	46.13	593.46
OMW-102	Bedrock	639.14	636.5	45.89	593.25
OMW-103	Bedrock	643.76	642.3	10.28	633.48
OMW-107	Overburden	625.51	623.2	4.88	620.63
OMW-108	Bedrock	625.08	623.2	26.25	598.83
OMW-201	Bedrock	639.17	636.9	45.77	593.40
OMW-202	Bedrock	656.23	654.4	75.94	580.29
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.42	619.56
OMW-206	Bedrock	618.01	615.9	23.95	594.06
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	62.85	592.14
OMW-213	Bedrock	668.04	665.9	82.90	585.14
OMW-214	Bedrock	655.83	655.1	41.25	614.58
OMW-215	Bedrock	657.05	654.8	72.74	584.31
OMW-216	Bedrock	658.15	656.7	48.26	609.89
OMW-218	Bedrock	654.18	651.5	61.08	593.10
OMW-219	Bedrock	666.38	664.3	71.23	595.15
OMW-220	Bedrock	636.34	634.1	35.05	601.29
OMW-221*	Bedrock	592.25	591.1	3.33	595.58
OMW-222	Bedrock	599.65	597.7	26.81	572.84
OMW-223	Bedrock	595.21	593.1	11.80	583.41
OPZ-207	Bedrock	648.60	647.4	54.08	594.52
OPZ-217	Bedrock	665.63	663.8	20.12	645.51
EPA-1	Bedrock	669.59	667.4	79.90	589.69
EPA-2	Bedrock	620.99	618.6	16.71	604.28
EPA-3	Bedrock	688.39	685.5	99.07	589.32
EPA-4	Bedrock	690.39	688.2	98.20	592.19
EPA-5	Bedrock	628.51	625.3	7.76	620.75

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. Formation collapse suspected in OMW-204 and OMW-219, however water levels still able to be collected when applicable.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
October 8, 2015

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	50.31	589.28
OMW-102	Bedrock	639.14	636.5	50.19	588.95
OMW-103	Bedrock	643.76	642.3	9.11	634.65
OMW-107	Overburden	625.51	623.2	4.38	621.13
OMW-108	Bedrock	625.08	623.2	28.66	596.42
OMW-201	Bedrock	639.17	636.9	50.25	588.92
OMW-202	Bedrock	656.23	654.4	79.92	576.31
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.41	619.57
OMW-206	Bedrock	618.01	615.9	25.10	592.91
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	64.43	590.56
OMW-213	Bedrock	668.04	665.9	83.52	584.52
OMW-214	Bedrock	655.83	655.1	41.59	614.24
OMW-215	Bedrock	657.05	654.8	75.67	581.38
OMW-216	Bedrock	658.15	656.7	48.59	609.56
OMW-218	Bedrock	654.18	651.5	63.57	590.61
OMW-219	Bedrock	666.38	664.3	71.21	595.17
OMW-220	Bedrock	636.34	634.1	38.02	598.32
OMW-221*	Bedrock	592.25	591.1	7.08	599.33
OMW-222	Bedrock	599.65	597.7	27.41	572.24
OMW-223	Bedrock	595.21	593.1	11.95	583.26
OPZ-207	Bedrock	648.60	647.4	56.79	591.81
OPZ-217	Bedrock	665.63	663.8	21.29	644.34
EPA-1	Bedrock	669.59	667.4	81.96	587.63
EPA-2	Bedrock	620.99	618.6	16.69	604.30
EPA-3	Bedrock	688.39	685.5	101.28	587.11
EPA-4	Bedrock	690.39	688.2	99.30	591.09
EPA-5	Bedrock	628.51	625.3	7.35	621.16

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. Formation collapse suspected in OMW-204 and OMW-219, however water levels still able to be collected when applicable.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
November 4, 2015

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	56.48	583.11
OMW-102	Bedrock	639.14	636.5	57.00	582.14
OMW-103	Bedrock	643.76	642.3	8.85	634.91
OMW-107	Overburden	625.51	623.2	4.49	621.02
OMW-108	Bedrock	625.08	623.2	35.50	589.58
OMW-201	Bedrock	639.17	636.9	56.50	582.67
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	31.60	619.38
OMW-206	Bedrock	618.01	615.9	26.21	591.80
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	65.90	589.09
OMW-213	Bedrock	668.04	665.9	83.74	584.30
OMW-214	Bedrock	655.83	655.1	43.98	611.85
OMW-215	Bedrock	657.05	654.8	78.12	578.93
OMW-216	Bedrock	658.15	656.7	48.61	609.54
OMW-218	Bedrock	654.18	651.5	65.00	589.18
OMW-219	Bedrock	666.38	664.3	71.21	595.17
OMW-220	Bedrock	636.34	634.1	41.61	594.73
OMW-221*	Bedrock	592.25	591.1	5.42	597.67
OMW-222	Bedrock	599.65	597.7	25.42	574.23
OMW-223	Bedrock	595.21	593.1	11.95	583.26
OPZ-207	Bedrock	648.60	647.4	59.65	588.95
OPZ-217	Bedrock	665.63	663.8	22.24	643.39
EPA-1	Bedrock	669.59	667.4	83.70	585.89
EPA-2	Bedrock	620.99	618.6	17.27	603.72
EPA-3	Bedrock	688.39	685.5	102.83	585.56
EPA-4	Bedrock	690.39	688.2	100.17	590.22
EPA-5	Bedrock	628.51	625.3	7.40	621.11

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. Formation collapse suspected in OMW-204 and OMW-219, however water levels still able to be collected when applicable.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Start-Up Hydraulic Monitoring
Monthly Water Level Measurements
December 2, 2015

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	58.02	581.57
OMW-102	Bedrock	639.14	636.5	58.50	580.64
OMW-103	Bedrock	643.76	642.3	8.61	635.15
OMW-107	Overburden	625.51	623.2	3.71	621.80
OMW-108	Bedrock	625.08	623.2	33.92	591.16
OMW-201	Bedrock	639.17	636.9	57.77	581.40
OMW-202	Bedrock	656.23	654.4	84.80	571.43
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.42	619.56
OMW-206	Bedrock	618.01	615.9	26.86	591.15
OMW-211	Overburden	650.40	649.3	Dry	NA
OMW-212	Bedrock	654.99	652.6	66.61	588.38
OMW-213	Bedrock	668.04	665.9	84.00	584.04
OMW-214	Bedrock	655.83	655.1	44.01	611.82
OMW-215	Bedrock	657.05	654.8	80.94	576.11
OMW-216	Bedrock	658.15	656.7	48.32	609.83
OMW-218	Bedrock	654.18	651.5	65.79	588.39
OMW-219	Bedrock	666.38	664.3	71.30	595.08
OMW-220	Bedrock	636.34	634.1	43.42	592.92
OMW-221*	Bedrock	592.25	591.1	7.08	599.33
OMW-222	Bedrock	599.65	597.7	25.09	574.56
OMW-223	Bedrock	595.21	593.1	11.93	583.28
OPZ-207	Bedrock	648.60	647.4	60.85	587.75
OPZ-217	Bedrock	665.63	663.8	22.31	643.32
EPA-1	Bedrock	669.59	667.4	84.01	585.58
EPA-2	Bedrock	620.99	618.6	16.58	604.41
EPA-3	Bedrock	688.39	685.5	103.66	584.73
EPA-4	Bedrock	690.39	688.2	100.48	589.91
EPA-5	Bedrock	628.51	625.3	3.93	624.58

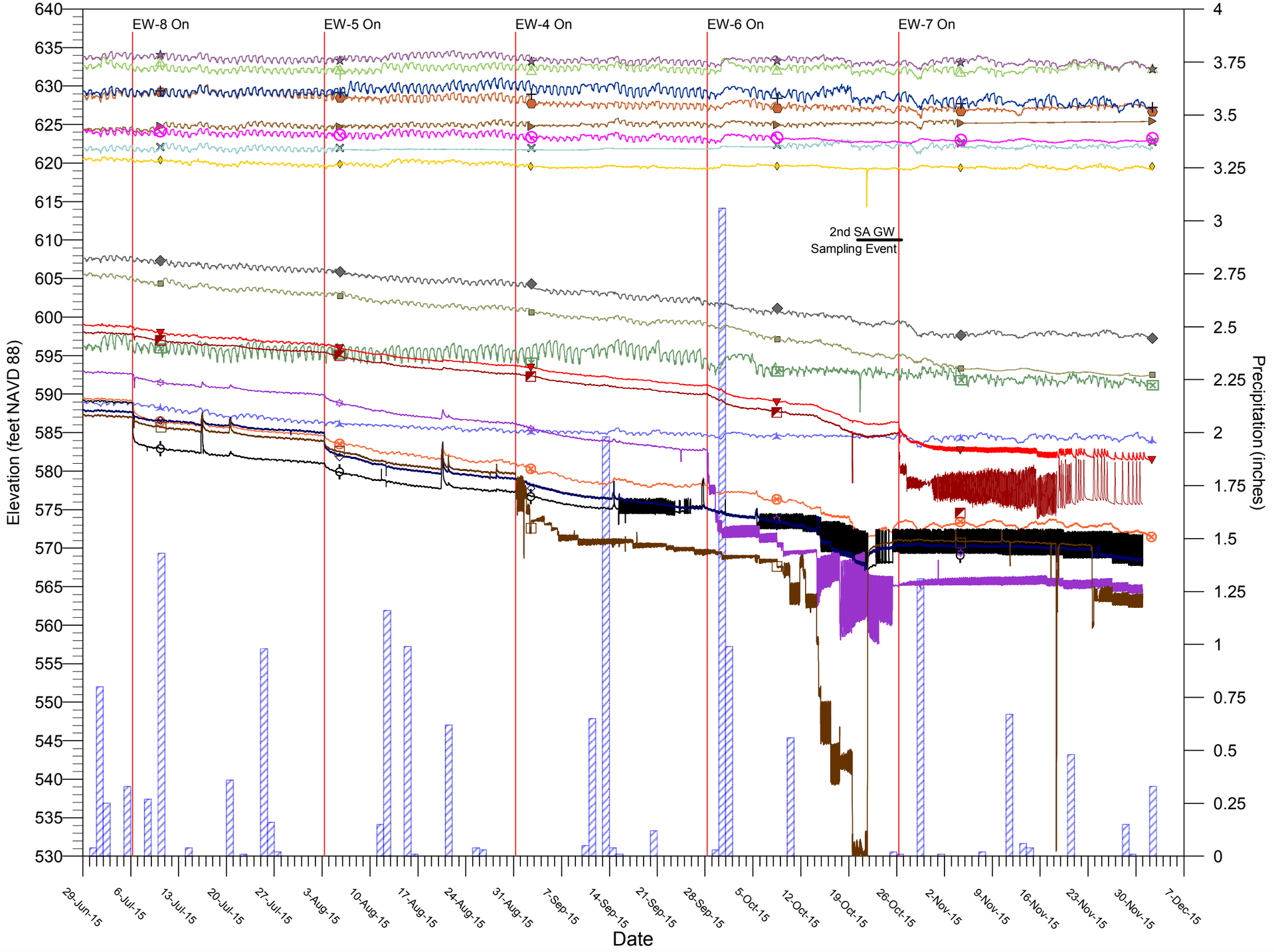
Notes

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 reported in feet above measuring point.
3. "NA" designates not applicable.
4. Formation collapse suspected in OMW-204 and OMW-219, however water levels still able to be collected when applicable.
5. "*" indicates well is artesian.
6. EPA-1 through EPA-5 are deep, open bedrock boreholes.

Near Continuous Hydraulic Monitoring Graphs

NEW EXTRACTION WELL START-UP HYDRAULIC MONITORING

Dewey Loeffel Landfill Superfund Site
Nassau, New York



Extraction / Background Wells
- EW-4 Groundwater Elevation
- EW-5 Groundwater Elevation
- EW-6 Groundwater Elevation
- EW-7 Groundwater Elevation
- EW-8 Groundwater Elevation
- OMW-206 Groundwater Elevation
- Precipitation

Overburden Wells
- 14F Groundwater Elevation
- DB-7S Groundwater Elevation
- DB-8S Groundwater Elevation
- OB-3 Groundwater Elevation
- PO-1 Groundwater Elevation
- PW-3 Groundwater Elevation

Shallow Bedrock Wells
- DB-7I Groundwater Elevation
- DB-8I Groundwater Elevation
- OMW-201 Groundwater Elevation
- OMW-202 Groundwater Elevation
- OMW-205 Groundwater Elevation
- OMW-213 Groundwater Elevation
- PB-2 Groundwater Elevation

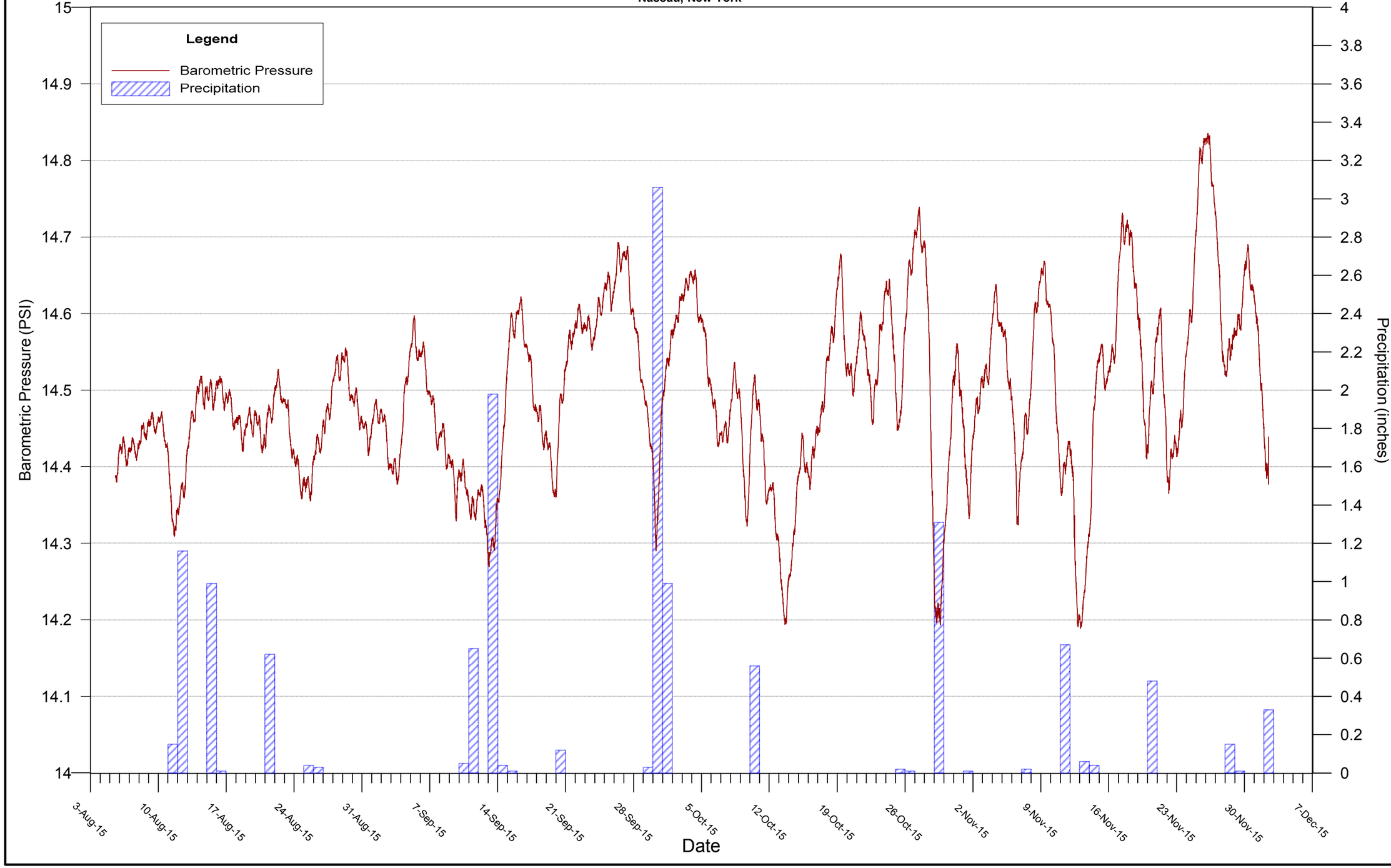
Notes: **Water level elevation data for EW-4 shown as 11-point running average after 8/30/15 for clarity.**

Water level elevation data for EW-6 shown as 21-point running average after 9/28/15 for clarity.

Water level elevation data for EW-7 shown as 17-point running average after 10/26/15 for clarity.

NEW EXTRACTION WELL START-UP
HYDRAULIC MONITORING

Dewey Loeffel Landfill Superfund Site
Nassau, New York



Spot Check Water Level Measurements

Start-Up Hydraulic Monitoring
Spot Check Water Level Measurements
July 10, 2015

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-201	Bedrock	639.17	636.9	41.22	597.95
OMW-202	Bedrock	656.23	654.4	69.81	586.42
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	30.62	620.36
OMW-206	Bedrock	618.01	615.9	22.07	595.94
OMW-213	Bedrock	668.04	665.9	79.78	588.26
DB-7S	Overburden	643.58	641.3	14.24	629.34
DB-7I	Bedrock	643.28	641.3	36.00	607.28
DB-8S	Overburden	642.81	640.9	13.63	629.18
DB-8I	Bedrock	641.91	640.6	37.59	604.32
PO-1	Overburden	649.83	646.7	25.08	624.75
PB-2	Bedrock	649.70	647.1	25.58	624.12
PW-3	Overburden	650.09	646.5	28.00	622.09
OB-3	Overburden	650.38	647.6	17.25	633.13
14F	Overburden	648.06	647.9	13.95	634.11
EW-1	Bedrock	663.48	662.3	87.44	576.04
EW-2	Bedrock	661.73	660.9	120.59	541.14
EW-3	Bedrock	664.45	663.5	102.45	562.00
EW-4	Bedrock	650.07	648.1	64.38	585.69
EW-5	Bedrock	662.69	660.7	76.15	586.54
EW-6	Bedrock	652.96	650.7	61.48	591.48
EW-7	Bedrock	645.52	643.6	48.56	596.96
EW-8	Bedrock	650.19	648.6	67.29	582.90

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point.
3. "NA" designates not applicable.

Start-Up Hydraulic Monitoring

Spot Check Water Level Measurements

August 5, 2015

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-201	Bedrock	639.17	636.9	43.24	595.93
OMW-202	Bedrock	656.23	654.4	72.73	583.50
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.12	619.86
OMW-206	Bedrock	618.01	615.9	22.87	595.14
OMW-213	Bedrock	668.04	665.9	81.92	586.12
DB-7S	Overburden	643.58	641.3	14.47	629.11
DB-7I	Bedrock	643.28	641.3	37.42	605.86
DB-8S	Overburden	642.81	640.9	14.40	628.41
DB-8I	Bedrock	641.91	640.6	39.20	602.71
PO-1	Overburden	649.83	646.7	25.16	624.67
PB-2	Bedrock	649.70	647.1	26.05	623.65
PW-3	Overburden	650.09	646.5	28.17	621.92
OB-3	Overburden	650.38	647.6	18.26	632.12
14F	Overburden	648.06	647.9	14.70	633.36
EW-1	Bedrock	663.48	662.3	96.76	566.72
EW-2	Bedrock	661.73	660.9	114.35	547.38
EW-3	Bedrock	664.45	663.5	88.23	576.22
EW-4	Bedrock	650.07	648.1	67.50	582.57
EW-5	Bedrock	662.69	660.7	80.90	581.79
EW-6	Bedrock	652.96	650.7	64.12	588.84
EW-7	Bedrock	645.52	643.6	50.56	594.96
EW-8	Bedrock	650.19	648.6	70.32	579.87

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point.
3. "NA" designates not applicable.

Start-Up Hydraulic Monitoring

Spot Check Water Level Measurements

September 2, 2015

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-201	Bedrock	639.17	636.9	45.77	593.40
OMW-202	Bedrock	656.23	654.4	75.94	580.29
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.42	619.56
OMW-206	Bedrock	618.01	615.9	23.95	594.06
OMW-213	Bedrock	668.04	665.9	82.90	585.14
DB-7S	Overburden	643.58	641.3	14.65	628.93
DB-7I	Bedrock	643.28	641.3	39.00	604.28
DB-8S	Overburden	642.81	640.9	15.10	627.71
DB-8I	Bedrock	641.91	640.6	41.34	600.57
PO-1	Overburden	649.83	646.7	25.11	624.72
PB-2	Bedrock	649.70	647.1	26.38	623.32
PW-3	Overburden	650.09	646.5	28.17	621.92
OB-3	Overburden	650.38	647.6	18.34	632.04
14F	Overburden	648.06	647.9	14.84	633.22
EW-1	Bedrock	663.48	662.3	77.60	585.88
EW-2	Bedrock	661.73	660.9	120.22	541.51
EW-3	Bedrock	664.45	663.5	87.40	577.05
EW-4	Bedrock	650.07	648.1	77.49	572.58
EW-5	Bedrock	662.69	660.7	84.92	577.77
EW-6	Bedrock	652.96	650.7	67.51	585.45
EW-7	Bedrock	645.52	643.6	53.25	592.27
EW-8	Bedrock	650.19	648.6	73.51	576.68

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point.
3. "NA" designates not applicable.

Start-Up Hydraulic Monitoring

Spot Check Water Level Measurements

October 8, 2015

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-201	Bedrock	639.17	636.9	50.25	588.92
OMW-202	Bedrock	656.23	654.4	79.92	576.31
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.41	619.57
OMW-206	Bedrock	618.01	615.9	25.10	592.91
OMW-213	Bedrock	668.04	665.9	83.52	584.52
DB-7S	Overburden	643.58	641.3	15.20	628.38
DB-7I	Bedrock	643.28	641.3	42.19	601.09
DB-8S	Overburden	642.81	640.9	15.73	627.08
DB-8I	Bedrock	641.91	640.6	44.80	597.11
PO-1	Overburden	649.83	646.7	24.89	624.94
PB-2	Bedrock	649.70	647.1	26.39	623.31
PW-3	Overburden	650.09	646.5	27.78	622.31
OB-3	Overburden	650.38	647.6	18.30	632.08
14F	Overburden	648.06	647.9	14.77	633.29
EW-1	Bedrock	663.48	662.3	88.58	574.90
EW-2	Bedrock	661.73	660.9	106.43	555.30
EW-3	Bedrock	664.45	663.5	92.19	572.26
EW-4	Bedrock	650.07	648.1	82.46	567.61
EW-5	Bedrock	662.69	660.7	89.80	572.89
EW-6	Bedrock	652.96	650.7	79.21	573.75
EW-7	Bedrock	645.52	643.6	57.92	587.60
EW-8	Bedrock	650.19	648.6	76.86	573.33

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point.
3. "NA" designates not applicable.

Start-Up Hydraulic Monitoring

Spot Check Water Level Measurements

November 4, 2015

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-201	Bedrock	639.17	636.9	56.50	582.67
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	31.60	619.38
OMW-206	Bedrock	618.01	615.9	26.21	591.80
OMW-213	Bedrock	668.04	665.9	83.74	584.30
DB-7S	Overburden	643.58	641.3	15.90	627.68
DB-7I	Bedrock	643.28	641.3	45.65	597.63
DB-8S	Overburden	642.81	640.9	16.11	626.70
DB-8I	Bedrock	641.91	640.6	48.60	593.31
PO-1	Overburden	649.83	646.7	24.68	625.15
PB-2	Bedrock	649.70	647.1	26.70	623.00
PW-3	Overburden	650.09	646.5	27.56	622.53
OB-3	Overburden	650.38	647.6	18.55	631.83
14F	Overburden	648.06	647.9	14.96	633.10
EW-1	Bedrock	663.48	662.3	95.66	567.82
EW-2	Bedrock	661.73	660.9	119.67	542.06
EW-3	Bedrock	664.45	663.5	114.51	549.94
EW-4	Bedrock	650.07	648.1	79.41	570.66
EW-5	Bedrock	662.69	660.7	93.03	569.66
EW-6	Bedrock	652.96	650.7	83.62	569.34
EW-7	Bedrock	645.52	643.6	71.00	574.52
EW-8	Bedrock	650.19	648.6	81.15	569.04

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point.
3. "NA" designates not applicable.

Start-Up Hydraulic Monitoring

Spot Check Water Level Measurements

December 2, 2015

Dewey Loeffel Landfill Superfund Site

Nassau, New York

Well ID	Geologic Unit	Measuring Point Elevation	Ground Elevation	Depth to Water	Water Level Elevation
OMW-201	Bedrock	639.17	636.9	57.77	581.40
OMW-202	Bedrock	656.23	654.4	84.80	571.43
OMW-204	Bedrock	649.29	647.8	Dry	NA
OMW-205	Bedrock	650.98	650.2	31.42	619.56
OMW-206	Bedrock	618.01	615.9	26.86	591.15
OMW-213	Bedrock	668.04	665.9	84.00	584.04
DB-7S	Overburden	643.58	641.3	16.36	627.22
DB-7I	Bedrock	643.28	641.3	46.05	597.23
DB-8S	Overburden	642.81	640.9	16.16	626.65
DB-8I	Bedrock	641.91	640.6	49.44	592.47
PO-1	Overburden	649.83	646.7	24.41	625.42
PB-2	Bedrock	649.70	647.1	26.49	623.21
PW-3	Overburden	650.09	646.5	27.36	622.73
OB-3	Overburden	650.38	647.6	18.09	632.29
14F	Overburden	648.06	647.9	15.82	632.24
EW-1	Bedrock	663.48	662.3	87.39	576.09
EW-2	Bedrock	661.73	660.9	85.31	576.42
EW-3	Bedrock	664.45	663.5	104.21	560.24
EW-4	Bedrock	650.07	648.1	83.67	566.40
EW-5	Bedrock	662.69	660.7	94.95	567.74
EW-6	Bedrock	652.96	650.7	86.68	566.28
EW-7	Bedrock	645.52	643.6	70.14	575.38
EW-8	Bedrock	650.19	648.6	78.88	571.31

Notes

1. Elevations are in feet referenced to North American Vertical Datum of 1988.
2. Depth to water provided in feet below measuring point.
3. "NA" designates not applicable.

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	10/26/2015	5/13/2015	5/13/2015	12/4/2014	6/6/2014	12/6/2013	5/7/2013	10/23/2012	5/21/2012	10/18/2011	5/23/2011	10/13/2010
1,1,2,2-Tetrachloroethane	0.5 U	10 U	10 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	0.5 U	1 U	1 U	1.00 U	1.00 U	0.992 J	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	1.6	4.0	---	89	38	360	---	---	---	---	---	---
4-Methyl-2-Pentanone	3 U	1 U	1 U	5.00 U	5.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	6 U	6	6	10.0 U	10.0 U	5.00 U	5 U	5 U	5 U	5 U	5 U	1.28 J
Benzene	83	200	200	1490 J	569	4850	24.1	2.95 J	48.5	98.7	226	3.31 J
Chlorobenzene	2	4	4	25.0 J	10.5	92.2	5 U	5 U	1.67 J	2.04 J	7.06	5 U
Chloroethane	0.5 U	1 U	1 U	0.921 J	1.00 U	3.27	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	0.5 U	1 U	1 U	1.07 J	1.00 U	3.52	5 U	5 U	5 U	5 U	5 U	5 U
m,p-Xylenes	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	---	5 U	---	---	---
Methylene chloride	2 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
o-Xylene	0.5 U	1 U	1 U	1.00 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5 U	1 U	1 U	1.00 U	1.00 U	1.53	5 U	5 U	5 U	5 U	5 U	5 U
2,4-Dimethylphenol	0.5 U	---	---	---	---	10.0 U	---	---	---	9.26 U	---	---
2-Methylphenol	0.5 U	---	---	---	---	10.0 U	---	---	---	9.26 U	---	---
4-Methylphenol	0.5 U	---	---	---	---	---	---	---	---	9.26 U	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	10.0 U	---	---	---	9.26 U	---	---
Nitrobenzene	---	---	---	---	---	10.0 U	---	---	---	9.26 U	---	---
Phenol	0.5 U	---	---	---	---	10.0 U	---	---	---	9.26 U	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	0.05 U	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	0.05 U	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	0.05 U	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	0.05 U	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	0.05 U	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	0.05 U	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	0.05 U	---	---

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/19/2010	12/15/2009	10/14/2008	10/25/2007	11/15/2006	10/18/2005	5/23/2005	10/20/2004	10/20/2004	5/18/2004	10/22/2003
1,1,2,2-Tetrachloroethane	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	1 U	5 U
1,1-Dichloroethane	5 U	25 U	5 U	5 U	25 U	5 U	1.65 J	5 U	5 U	1 U	1.66 J
1,2-Dichloroethane	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	1 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	1 U	5 U
Acetone	5 U	25 U	5 U	5 U	25 U	17.8 B	18.2 B	2.24 JB	5 U	7.01 B	5 U
Benzene	54.8	3150	18.2	119	936	1750	3240	97.5	87.4	213	3460
Chlorobenzene	1.9 J	41.2	5 U	4.34 J	24.8 J	60.4	86.6	3.72 J	3.17 J	10.2	98
Chloroethane	5 U	25 U	5 U	5 U	25 U	3.03 J	2.32 J	5 U	5 U	1 U	3.56 J
Chloroform	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	1 U	5 U
Ethylbenzene	5 U	25 U	5 U	5 U	25 U	2.84 J	5.03	5 U	5 U	1 U	4.34 J
m,p-Xylenes	---	---	5 U	---	---	5 U	5 U	5 U	5 U	1 U	5 U
Methylene chloride	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	1 U	5 U
o-Xylene	5 U	25 U	5 U	5 U	25 U	5 U	5 U	5 U	5 U	1 U	5 U
Toluene	5 U	25 U	5 U	5 U	5.45 J	2.27 J	2.71 J	5 U	5 U	2.01	2.15 J
2,4-Dimethylphenol	---	---	9.43 U	---	---	9.43 U	---	18.5 U	---	---	9.26 U
2-Methylphenol	---	---	9.43 U	---	---	9.43 U	---	18.5 U	---	---	9.26 U
4-Methylphenol	---	---	9.43 U	---	---	9.43 U	---	18.5 U	---	---	43.6
bis(2-Ethylhexyl)Phthalate	---	---	9.43 U	---	---	9.43 U	---	150	---	---	9.26 U
Nitrobenzene	---	---	9.43 U	---	---	9.43 U	---	18.5 U	---	---	2.15 J
Phenol	---	---	9.43 U	---	---	21.2	---	18.5 U	---	---	7.45 J
Aroclor-1016	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---	0.05 U
Aroclor-1221	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---	0.05 U
Aroclor-1232	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---	0.05 U
Aroclor-1242	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---	0.05 U
Aroclor-1248	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---	0.05 U
Aroclor-1254	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---	0.05 U
Aroclor-1260	---	---	0.05 U	---	---	0.05 U	---	0.05 U	---	---	0.05 U

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/20/2003	10/2/2002	5/14/2002	10/18/2001	5/9/2001	11/17/2000	5/18/2000	11/4/1999	11/4/1999	5/4/1999	5/4/1999	10/24/1998
1,1,2,2-Tetrachloroethane	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethane	25 U	3 J	5 U	4 J	5 J	10	5 U	4 J	4 J	5 U	5 U	10
1,2-Dichloroethane	25 U	5 U	5 U	5 U	10	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	25 U	10 U	10 U	10 U	10 U	10 U	10 U	12	15	10 U	10 U	12
Acetone	25 U	10 U	12	10 U	10 U	10 U	10 U	70	130	10 U	10 U	10 U
Benzene	4070	4900	6600	8600	8000	8300	5800	3800	3600	480	430	9900
Chlorobenzene	96.8	110	120	160	160	150	160 J	77	78	23	25	320
Chloroethane	25 U	6 J	10 U	10 U	10 U	10 U	10 U	2 J	10 U	10 U	10 U	10 U
Chloroform	25 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	5 U	2 BJ	2 BJ	1 J
Ethylbenzene	25 U	5 U	5 U	8	7	6	5 U	5 U	5 U	5 U	5 U	13
m,p-Xylenes	25 U	3 J	4 J	1 J	1 J	5 U	5 U	5 U	3 J	5 U	5 U	7
Methylene chloride	25 U	5 U	5 U	5 U	5 U	5 U	150 BJ	5 U	5 U	4 J	4 J	5 U
o-Xylene	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	4 J
Toluene	25 U	3 J	2 J	4 J	4 J	8	5 U	3 J	3 J	4 J	4 J	57
2,4-Dimethylphenol	---	5 U	---	10 U	---	10 U	---	6 J	---	---	---	10 U
2-Methylphenol	---	5 U	---	10 U	---	10 U	---	2 J	---	---	---	10 U
4-Methylphenol	---	5 U	---	10 U	---	10 U	---	5 J	---	---	---	10 U
bis(2-Ethylhexyl)Phthalate	---	0.7 J	---	17	---	10 U	---	10 U	---	---	---	9 BJ
Nitrobenzene	---	5 U	---	10 U	---	10 U	---	10 U	---	---	---	10 U
Phenol	---	1 J	---	3 J	---	8 J	---	11	---	---	---	10 U
Aroclor-1016	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---	---	---	0.5 U
Aroclor-1221	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---	---	---	0.5 U
Aroclor-1232	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---	---	---	0.5 U
Aroclor-1242	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---	---	---	0.5 U
Aroclor-1248	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---	---	---	0.5 U
Aroclor-1254	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---	---	---	1 U
Aroclor-1260	---	0.065 U	---	0.065 U	---	0.065 U	---	0.065 U	---	---	---	1 U

Historical Detected Concentrations in OMW-102

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	10/24/1998	9/12/1995	4/20/1994	12/29/1993	8/18/1993	8/18/1993	5/12/1993	2/11/1993	2/11/1993	10/6/1992
1,1,2,2-Tetrachloroethane	5 U	200 UJ-C	100 UJ-C	130 UJ	430	120 U	84 U	---	250 UJ	120 U
1,1-Dichloroethane	10	200 U	100 U	130 UJ	250 U	120 U	84 U	---	250 UJ	120 U
1,2-Dichloroethane	5 U	200 U	100 U	130 UJ	250 U	120 U	84 U	---	250 UJ	120 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---
4-Methyl-2-Pentanone	15	---	---	---	---	---	---	---	---	---
Acetone	10 U	---	---	---	---	---	---	---	---	---
Benzene	8900	7500 J-C	6100	8900 J	10000	9100	5300	---	6200 J	7200
Chlorobenzene	250 J	460	210	300 J	570	250	150	---	250 UJ	160 J
Chloroethane	10 U	200 U	100 U	130 UJ	250 U	120 U	84 U	---	250 UJ	120 U
Chloroform	5 U	200 U	100 U	250 J	250 U	120 U	84 U	---	250 UJ	120 U
Ethylbenzene	15	200 UJ-C	100 U	130 UJ	2300	120 U	84 U	---	250 UJ	120 U
m,p-Xylenes	9	200 UJ-C	200 U	260 UJ	500 U	250 U	84 U	---	500 UJ	250 U
Methylene chloride	5 U	200 UJ-C	100 U	130 UJ	250 U	120 U	84 U	---	250 UJ	120 U
o-Xylene	3 J	---	---	---	---	---	---	---	---	---
Toluene	55	560 J-C	1100	1700 J	250 U	1900	830	---	1300 J	1200
2,4-Dimethylphenol	10 U	11 R-S	8	12	---	---	U	4.9 J	5 J	1 U
2-Methylphenol	10 U	11 R-S	25	31	---	---	U	19	18 J	5.5
4-Methylphenol	10 U	11 R-S	72	120	---	---	U	63 J	63 J	24
bis(2-Ethylhexyl)Phthalate	5 BJ	11 U	---	---	---	---	---	---	---	---
Nitrobenzene	10 U	11 U	---	---	---	---	---	---	---	---
Phenol	10 U	11 R-S	7	8 J	C	C	C	7.1	10 J	1 U
Aroclor-1016	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U	0.1 U
Aroclor-1221	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U	0.1 U
Aroclor-1232	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U	0.1 U
Aroclor-1242	0.5 U	0.022 UJ-C	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U	0.1 U
Aroclor-1248	0.5 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U	0.1 U
Aroclor-1254	1 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U	0.1 U
Aroclor-1260	1 U	0.022 U	---	0.09 U	0.09 U	0.09 U	0.09 U	---	0.09 U	0.1 U

Historical Detected Concentrations in OMW-103

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	10/17/2005
1,4-Dioxane	---	---	0.20 U	---	---	---	---	---	---	---	---
Benzene	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
Ethene	---	---	---	---	---	---	---	---	---	---	---
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
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	10/19/2004	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	4/19/1994
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	0.5 U	0.5 U	1 U
Ethene	---	---	---	---	---	---	---	9	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	6 B	---	0.5 U	0.5 U	1 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	1.9	0.5 U	1 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	12/29/1993	8/18/1993	5/12/1993	2/11/1993	10/6/1992
1,4-Dioxane	---	---	---	---	---
Benzene	0.6 J	0.5 U	0.5 U	0.5 UJ	0.5 U
Ethene	---	---	---	---	---
Methylene chloride	0.8 J	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	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	10/26/2015	10/26/2015	5/13/2015	12/4/2014	6/6/2014	12/6/2013	10/25/2012	5/22/2012	10/20/2011	5/24/2011	10/13/2010
1,1-Dichloroethane	5 U	---	1	100 U	1.00 U	1.00 UJ	5000 U	5 U	5000 U	1000 U	100 U
1,2-Dichloroethane	5 U	---	1 U	100 U	1.00 U	0.901 J	5000 U	5 U	5000 U	1000 U	100 U
1,4-Dichlorobenzene	10 U	---	1 U	100 U	1.12 J	1.62 J	---	---	9.26 U	3.83 J	---
1,4-Dioxane	520	---	15	1500	1500	1400	---	---	---	---	---
2-Butanone	30 U	---	1 U	500 U	5.00 U	1.00 UJ	5000 U	5 U	5000 U	1000 U	100 U
2-Hexanone	30 U	---	5 U	500 U	1.59 J	1.00 UJ	5000 U	5 U	5000 U	1000 U	100 U
4-Methyl-2-Pentanone	30 U	---	10	500 U	6.67 J	18.5 J	5000 U	5 U	5000 U	1000 U	100 U
Acetone	60 U	---	8	1000 U	66.2 J	22.0 J	5000 U	5 U	5000 U	248 J	142
Benzene	14000	---	27000	22500	20400	19200	96400	5 U	39500	43800	12900
Chlorobenzene	1200	---	2300	2320	1770	1410	8830	5 U	3300 J	4550	1130
Chloroethane	13	---	33	54.6 J	16.9 J	28.4 J	5000 U	5 U	5000 U	1000 U	100 U
Chloroform	5 U	---	1 U	100 U	1.00 U	1.00 UJ	5000 U	5 U	5000 U	1000 U	111
cis-1,2-Dichloroethene	5 U	---	1 U	100 U	1.00 U	0.797 J	5000 U	5 U	5000 U	1000 U	100 U
Cyclohexane	20 U	---	1 UJ	100 U	1.85 J	2.75 J	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	57	---	120	148	84.4	102 J	5000 U	5 U	5000 U	333 J	100 U
Isopropylbenzene	10 U	---	1 U	100 U	0.595 J	0.757 J	---	---	---	---	---
m,p-Xylenes	74	---	190	198	165 J	173 J	---	5 U	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	10 U	---	1 U	100 U	28.8 J	1.00 UJ	---	---	---	---	---
Methylene chloride	20 U	---	1 U	100 U	1.00 U	1.00 UJ	5000 U	5 U	5000 U	1000 U	100 U
Methyl tert-Butyl ether	5 U	---	1 U	100 U	0.501 J	0.597 J	---	---	---	---	---
o-Xylene	14	---	21	100 U	34.7 J	38.7 J	5000 U	5 U	5000 U	1000 U	100 U
Toluene	120	---	500	107	84.2 J	528	20000	5 U	5000 U	1000 U	684
trans-1,2-Dichloroethylene	5 U	---	3	100 U	2.47 J	2.24 J	5000 U	5 U	5000 U	1000 U	100 U
Vinyl chloride	5 U	---	2	100 U	1.00 U	1.91	5000 U	5 U	5000 U	1000 U	100 U
1,4-Dichlorobenzene	---	---	---	---	---	1.62 J	---	---	9.26 U	3.83 J	---
2,4-Dimethylphenol	32 J	22 J	---	---	---	109	---	---	165	152	---
2-Chlorophenol	5 J	3 J	---	---	---	10.0 U	---	---	9.52	3.64 J	---
2-Methylphenol	6 J	4 J	---	---	---	46.1	---	---	98	2.68 J	---
4-Chloro-3-Methylphenol	0.5 UJ	0.5 UJ	---	---	---	10.0 UJ	---	---	9.26 U	9.43 U	---
4-Methylphenol	5 J	3 J	---	---	---	---	---	---	364	9.02 J	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	10.0 U	---	---	9.26 U	9.43 U	---
Naphthalene	---	---	---	---	---	5.00 U	---	---	8.66	4.72 U	---
Nitrobenzene	---	---	---	---	---	10.0 U	---	---	9.26 U	9.43 U	---
Phenol	3 J	2 J	---	---	---	36.2	---	---	104	128	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	10/26/2015	10/26/2015	5/13/2015	12/4/2014	6/6/2014	12/6/2013	10/25/2012	5/22/2012	10/20/2011	5/24/2011	10/13/2010
Aroclor-1016	---	---	---	---	---	---	---	---	0.05 U	0.05 U	---
Aroclor-1221	---	---	---	---	---	---	---	---	0.05 U	0.05 U	---
Aroclor-1232	---	---	---	---	---	---	---	---	0.05 U	0.05 U	---
Aroclor-1242	---	---	---	---	---	---	---	---	0.0481 AD,J	0.05 U	---
Aroclor-1248	---	---	---	---	---	---	---	---	0.05 U	0.05 U	---
Aroclor-1254	---	---	---	---	---	---	---	---	0.05 U	0.05 U	---
Aroclor-1260	---	---	---	---	---	---	---	---	0.05 U	0.05 U	---
PCBs, Total	---	---	---	---	---	---	---	---	0.0481 J	0.05 U	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/19/2010	10/22/2009	10/15/2008	10/25/2007	11/15/2006	10/19/2005	10/19/2005	5/24/2005	5/24/2005	10/20/2004	5/18/2004
1,1-Dichloroethane	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U	25 U	5.53 J	8.97
1,2-Dichloroethane	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	6.23 J	6.14 J	7.63 J	7.21
1,4-Dichlorobenzene	---	---	9.26 U	---	---	---	22.5 U	---	---	19.2	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	17.5 J	17.4 J	25 U	21.1
2-Hexanone	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U	25 U	25 U	5 U
4-Methyl-2-Pentanone	1000 U	2500 U	2500 U	100 U	100 U	66.1	62.6	73.5	71.5	106	118
Acetone	1000 U	2500 U	2500 U	100 U	100 U	120	118	191 B	191 B	117 B	201 B
Benzene	15700	11700	19400	13700	20300	17200	13800	16300	18900	19800	16700
Chlorobenzene	1220	1180 J	1680 J	1150	1490	1210	1240	1350	1310	1220	1040
Chloroethane	1000 U	2500 U	2500 U	22 J	100 U	41	35.5	30.3	27.6	32.7	26.1
Chloroform	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U	25 U	25 U	5 U
cis-1,2-Dichloroethene	1000 U	2500 U	2500 U	100 U	100 U	9.71 J	9.59 J	21.6 J	20.1 J	33.1	37.8
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	1000 U	2500 U	2500 U	89 J	125	93	90	104	103	94.8	77.3
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	---	---	2500 U	---	---	216	214	247	224	245	204
Methane	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U	7.38 J	10.2 J	26.9
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	1000 U	2500 U	2500 U	74.1 J	92.3 J	82.8	82.5	97	92.3	98.6	89.9
Toluene	1410	2440 J	1510 J	1630	1920	3340	2640	4260	4830	5000	7840
trans-1,2-Dichloroethylene	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U	25 U	25 U	5 U
Vinyl chloride	1000 U	2500 U	2500 U	100 U	100 U	25 U	25 U	25 U	25 U	25 U	5 U
1,4-Dichlorobenzene	---	---	9.26 U	---	---	20.2 U	22.5 U	---	---	19.2 U	---
2,4-Dimethylphenol	---	---	202	---	---	202	203	---	---	19.2 U	---
2-Chlorophenol	---	---	5.7 J	---	---	8.89 J	7.9 J	---	---	19.2 U	---
2-Methylphenol	---	---	130	---	---	206	184	---	---	164	---
4-Chloro-3-Methylphenol	---	---	9.36	---	---	20.2 U	22.5 U	---	---	19.2 U	---
4-Methylphenol	---	---	891	---	---	935	1080	---	---	1380	---
bis(2-Ethylhexyl)Phthalate	---	---	9.26 U	---	---	20.2 U	22.5 U	---	---	103	---
Naphthalene	---	---	9.26 U	---	---	20.2 U	22.5 U	---	---	19.2 U	---
Nitrobenzene	---	---	9.26 U	---	---	62.1	62.3	---	---	58.3	---
Phenol	---	---	61.6	---	---	168	180	---	---	161	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/19/2010	10/22/2009	10/15/2008	10/25/2007	11/15/2006	10/19/2005	10/19/2005	5/24/2005	5/24/2005	10/20/2004	5/18/2004
Aroclor-1016	---	---	0.05 U	---	---	0.05 U	0.0505 U	---	---	0.05 U	---
Aroclor-1221	---	---	0.05 U	---	---	0.05 U	0.0505 U	---	---	0.05 U	---
Aroclor-1232	---	---	0.05 U	---	---	0.05 U	0.0505 U	---	---	0.05 U	---
Aroclor-1242	---	---	0.05 U	---	---	0.05 U	0.0505 U	---	---	0.05 U	---
Aroclor-1248	---	---	0.05 U	---	---	0.05 U	0.0505 U	---	---	0.05 U	---
Aroclor-1254	---	---	0.05 U	---	---	0.05 U	0.0505 U	---	---	0.05 U	---
Aroclor-1260	---	---	0.05 U	---	---	0.05 U	0.0505 U	---	---	0.05 U	---
PCBs, Total	---	---	0.05 U	---	---	0.05 U	0.0505 U	---	---	U	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	11/17/2000	11/17/2000	5/22/2000
1,1-Dichloroethane	9.84	50 U	500 U	500 U	8	13	12	17	250 U	74	97	70
1,2-Dichloroethane	7.61	50 U	500 U	500 U	5 U	5 U	5 U	5 U	250 U	5 U	5 U	5 U
1,4-Dichlorobenzene	---	9.26	---	---	100 U	---	---	250 U	---	---	250 U	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	50 U	500 U	500 U	13	46	40	37	500 U	10 U	10 U	51
2-Hexanone	8.91	50 U	500 U	500 U	10 U	10 U	10 U	10 U	500 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	136	50 U	500 U	500 U	170	350	350	670	640	610	610	430 J
Acetone	209 B	117	500 U	500 U	370	270	280	680	500 U	10 U	10 U	780
Benzene	16500	28800 E	28900	26900	28000	35000	31000	59000	54000	74000	68000	57000
Chlorobenzene	1240	1560	1750	1530	1800	1800	1800	3800	3800	4800	4400	4200
Chloroethane	24.6	22.3 J	500 U	500 U	41	30	10 U	99	500 U	140	140	76
Chloroform	5 U	50 U	500 U	500 U	5 U	5 U	5 U	5 U	140 J	5 U	5 U	5 U
cis-1,2-Dichloroethene	39.4	13.1 J	500 U	500 U	5 U	5 U	5 U	5 U	250 U	5 U	5 U	5 U
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	86.6	122	500 U	500 U	160	170	170	170	320	390	390	440
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	237	316	500 U	500 U	430	490	460	1100	1000	1200	1200	990
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	16.5	50 U	500 U	500 U	5 U	5 U	5 U	5 U	260 B	5 U	5 U	8 B
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	97.7	126	500 U	500 U	160	180	190	390	330	420	280	340
Toluene	7480	11400 E	15000	14100	15000	22000	20000	34000	30000	47000	41000	36000
trans-1,2-Dichloroethylene	5 U	50 U	500 U	500 U	5 U	5 U	5 U	5 U	250 U	5 U	5 U	5 U
Vinyl chloride	5 U	50 U	500 U	500 U	10 U	10 U	10 U	10 U	500 U	10 U	10 U	10 U
1,4-Dichlorobenzene	---	9.26 U	---	---	100 U	---	---	250 U	---	250 U	250 U	---
2,4-Dimethylphenol	---	9.26 U	---	---	100 U	---	---	130 J	---	88 J	110 J	---
2-Chlorophenol	---	6.68 J	---	---	100 U	---	---	250 U	---	250 U	250 U	---
2-Methylphenol	---	73	---	---	62 J	---	---	95 J	---	89 J	10 U	---
4-Chloro-3-Methylphenol	---	9.26 U	---	---	100 U	---	---	250 U	---	250 U	250 U	---
4-Methylphenol	---	1240	---	---	1400	---	---	1700	---	1800	1100	---
bis(2-Ethylhexyl)Phthalate	---	53.5	---	---	100 U	---	---	250 U	---	250 U	250 U	---
Naphthalene	---	9.26 U	---	---	100 U	---	---	250 U	---	250 U	250 U	---
Nitrobenzene	---	9.26 U	---	---	100 U	---	---	250 U	---	250 U	250 U	---
Phenol	---	123	---	---	100 U	---	---	250 U	---	250 U	250 U	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	11/17/2000	11/17/2000	5/22/2000
Aroclor-1016	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---	0.065 U	0.065 U	---
Aroclor-1221	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---	0.065 U	0.065 U	---
Aroclor-1232	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---	0.065 U	0.065 U	---
Aroclor-1242	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---	0.065 U	0.065 U	---
Aroclor-1248	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---	0.065 U	0.065 U	---
Aroclor-1254	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---	0.065 U	0.065 U	---
Aroclor-1260	---	0.05 U	---	---	0.065 U	---	---	0.065 U	---	0.065 U	0.065 U	---
PCBs, Total	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	11/4/1999	5/4/1999	11/17/1998	11/17/1998	10/24/1998	1/22/1997	12/29/1996	9/12/1995	4/20/1994	12/30/1993	12/30/1993
1,1-Dichloroethane	86	130	5 U	5 U	140	---	150 U	800 U	250 U	500 U	500 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	---	150 U	800 U	250 U	500 U	500 U
1,4-Dichlorobenzene	10 U	---	10 U	10 U	10 U	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	62	110	10 U	10 U	170	---	---	---	---	---	---
2-Hexanone	10 U	10 U	10 U	10 U	10 U	---	---	---	---	---	---
4-Methyl-2-Pentanone	360	320	10 U	10 U	920	---	---	---	---	---	---
Acetone	790	1900	10 U	10 U	710	---	---	---	---	---	---
Benzene	50000	45000	59000	67000	47000	---	43000 D	30000 J-C	31000	27000	27000 J
Chlorobenzene	3300	3500	4800	5500	3100	---	3000	2700	2200	1900	1900
Chloroethane	45	60	10 U	10 U	62	---	150 U	800 U	250 U	500 U	500 U
Chloroform	5 U	2 BJ	5 U	5 U	5 U	---	150 U	800 U	250 U	500 U	500 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	19	---	150 U	800 U	250 U	500 U	500 U
Cyclohexane	---	---	---	---	---	---	---	---	---	---	---
Ethane	---	---	---	---	---	510 J	---	---	---	---	---
Ethene	---	---	---	---	---	3800	---	---	---	---	---
Ethylbenzene	5 U	230	5 U	5 U	230	---	280	800 UJ-C	250 U	500 U	500 U
Isopropylbenzene	---	---	---	---	---	---	---	---	---	---	---
m,p-Xylenes	780	660	1100 J	1200 J	820	---	810	800 UJ-C	550	1100 J	1100 J
Methane	---	---	---	---	---	3300	---	---	---	---	---
Methyl Acetate	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	11	6600 B	6600 B	5 U	---	150 U	800 UJ-C	250 U	500 U	500 U
Methyl tert-Butyl ether	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	330	240	5 U	5 U	410	---	260	---	---	---	---
Toluene	33000	29000	39000	44000	30000	---	30000 D	20000 J-C	21000	17000	17000
trans-1,2-Dichloroethylene	5 U	5 U	5 U	5 U	5 U	---	---	800 UJ-C	250 U	500 U	500 U
Vinyl chloride	10 U	10 U	10 U	10 U	10 U	---	---	800 UJ-C	250 U	500 U	500 U
1,4-Dichlorobenzene	10 U	---	10 U	10 U	10 U	---	150 U	800 U	250 U	500 U	500 U
2,4-Dimethylphenol	10 U	---	77 J	83 J	35 J	---	220 J	64 J	140	110	110
2-Chlorophenol	10 U	---	10 U	10 U	10 U	---	330 U	400 U	5 U	62 U	71 U
2-Methylphenol	68 J	---	110 J	93 J	44 J	---	160 J	120 J	160	150	150
4-Chloro-3-Methylphenol	10 U	---	10 U	10 U	10 U	---	---	400 U	5 U	62 U	71 U
4-Methylphenol	920	---	2000	1800	640	---	2300	2000	1700 D	1800	1800
bis(2-Ethylhexyl)Phthalate	10 U	---	10 U	10 U	8 BJ	---	---	400 U	---	---	---
Naphthalene	10 U	---	10 U	10 U	10 U	---	---	400 U	---	---	---
Nitrobenzene	10 U	---	10 U	10 U	10 U	---	---	400 U	---	---	---
Phenol	10 U	---	10 U	10 U	10 U	---	26 J	400 U	39	18 J	22 J

Historical Detected Concentrations in OMW-201

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	11/4/1999	5/4/1999	11/17/1998	11/17/1998	10/24/1998	1/22/1997	12/29/1996	9/12/1995	4/20/1994	12/30/1993	12/30/1993
Aroclor-1016	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 U	0.023 U	0.022 U	0.09 U
Aroclor-1221	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 U	0.023 U	0.022 U	0.09 U
Aroclor-1232	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 U	0.023 U	0.022 U	0.09 U
Aroclor-1242	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 UJ-C	0.023 U	0.022 U	0.09 U
Aroclor-1248	0.065 U	---	0.5 U	0.5 U	0.5 U	---	---	0.022 U	0.023 U	0.022 U	0.09 U
Aroclor-1254	0.065 U	---	1 U	1 U	1 U	---	---	0.022 U	0.023 U	0.022 U	0.09 U
Aroclor-1260	0.065 U	---	1 U	1 U	1 U	---	---	0.022 U	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	10/21/2015	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	11/14/2006
1,4-Dioxane	---	---	---	0.060 J	---	---	---	---	---	---	---
Acetone	6 U	6 U	10.0 U	5.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	2	2	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	0.5 U	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	0.5 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	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	5 U
cis-1,2-Dichloroethene	0.5 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	2 U	2 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	0.5 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	0.5 U	0.5 U	1.00 U	1.00 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-202

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	11/17/2000	5/17/2000
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	1.03 JB	1.47 JB	5 U	1 U	5 U	5 U	10 U	10 U	10 U	29	74	10 U
Benzene	5 U	5 U	5 U	1.02	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chlorobenzene	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloroform	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	5 U	5 U	5 U	1 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene chloride	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	2 BJ	5 U	3 BJ
Toluene	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	1 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-202

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	140	10 U	10 U	---	---	---	---
Benzene	5 U	6	5 U	6.5	18 J-C	13	11 J
Chlorobenzene	5 U	5 U	5 U	0.5 U	1.8 J-C	1.2	0.7
Chloroform	5 U	2 BJ	3 J	0.5 U	1.3	1 U	0.5 U
Chloromethane	10 U	10 U	10 U	0.5 U	0.5 U	1 U	0.5 U
cis-1,2-Dichloroethene	5 U	1 J	5 U	0.5	2.4 J-C	2	1.1
Methylene chloride	5 B	4 BJ	5 U	0.5 U	0.5 U	1 U	0.5 U
Toluene	5 U	5 U	5 U	1.1	0.5 UJ-C	1 U	1
Trichloroethene	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	10/21/2015	10/21/2015	5/12/2015	12/3/2014	12/3/2014	6/6/2014	6/6/2014	12/5/2013	5/9/2013	10/24/2012	5/22/2012	10/19/2011
1,1-Dichloroethane	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U	5 U	5 U	25 U	25 U
1,2-Dichloroethane	0.5 J	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U	5 U	1.04 J	25 U	25 U
1,3-Dichlorobenzene	1 U	1 U	1 U	0.597 J	---	1.00 U	---	1.00 U	---	---	---	---
1,4-Dichlorobenzene	2 J	1 J	1 U	1.44	---	1.11	---	1.72	---	---	---	---
1,4-Dioxane	6.6	---	10	14	14	17	17	16	---	---	---	---
Acetone	6 U	6 U	5 U	10.0 U	---	10.0 UJ	---	5.00 U	5 U	5 U	25 U	25 U
Benzene	3	1	1	2.39	---	2.25	---	6.36	13.3	32.6	34.5	31.8
Chlorobenzene	120 J	65 J	53	152	---	67.6	---	141	220	231	306	304
Chloroethane	0.5 U	0.5 U	1 U	0.960 J	---	1.00 UJ	---	1.37	3 J	4.92 J	5.15 J	6.86 J
Chloroform	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U	5 U	5 U	25 U	25 U
Chloromethane	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U	5 U	5 U	25 U	25 U
cis-1,2-Dichloroethene	6 J	3 J	3	6.86	---	4.57	---	8.27	10.5	13.2	15.1 J	19.2 J
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	2 U	2 U	1 U	1.00 U	---	1.00 U	---	1.00 U	5 U	5 U	25 U	25 U
Toluene	0.5 U	0.5 U	1 U	1.00 U	---	1.00 U	---	1.00 U	5 U	5 U	25 U	25 U
Trichloroethene	0.8 J	0.5 U	1 U	1.30	---	0.745 J	---	1.37	1.18 J	1.66 J	25 U	25 U
Vinyl Chloride	1	0.7 J	1 U	1.64	---	0.728 J	---	2.15	2.45 J	4.63 J	25 U	5.63 J
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/24/2011	10/14/2010	5/18/2010	10/22/2009	5/20/2009	10/15/2008	10/25/2007	11/14/2006	10/19/2005	5/24/2005	10/20/2004
1,1-Dichloroethane	25 U	50 U	50 U	50 U	1.2 J	50 U	5 U	5 U	1.01 J	5 U	5 U
1,2-Dichloroethane	25 U	50 U	50 U	50 U	1.87 J	50 U	1.77 J	2.05 J	2.12 J	2.2 J	2.16 J
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5.49 J	50 U	50 U	50 U	5 U	50 U	5 U	5 U	5 U	5 U	1.77 JB
Benzene	9.49 J	82.4	113	182	64.7	23.3 J	3.88 J	2.45 J	3.22 J	2.7 J	3.46 J
Chlorobenzene	152	337	498	486	499	422	370	379	444	472	396
Chloroethane	25 U	50 U	12.1 J	50 U	10.6	50 U	8.38	14.1	16.9	12.6	12.8
Chloroform	25 U	50 U	50 U	50 U	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Chloromethane	25 U	50 U	50 U	50 U	5 U	50 U	5 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	8.23 J	17.9 J	29.8 J	24 J	31	17.5 J	20.4	17.4	21.1	21.6	21.1
Ethane	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	25 U	50 U	50 U	50 U	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Toluene	25 U	50 U	50 U	50 U	5 U	50 U	5 U	5 U	5 U	5 U	5 U
Trichloroethene	25 U	50 U	50 U	50 U	4.54 J	50 U	4.61 J	4.58 J	5.45	5.58	4.84 J
Vinyl Chloride	25 U	50 U	50 U	50 U	4.94 J	50 U	5.49	6.55	7.92	8.09	6.96
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	10/20/2004	5/18/2004	10/22/2003	5/20/2003	10/2/2002	10/2/2002	5/14/2002	10/17/2001	10/17/2001	5/8/2001	11/16/2000	5/18/2000
1,1-Dichloroethane	5 U	1 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U
1,2-Dichloroethane	2.04 J	2.04	1.64 J	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dichlorobenzene	---	---	---	---	---	---	---	---	---	---	---	---
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	1 U	5 U	5 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	3.27 J	2.95	3.37 J	5 U	4 J	4 J	6	7	7	7	9	8
Chlorobenzene	391	505	629	589	690	680	590	660	670	520	720	510
Chloroethane	13.1	12.1	14.9	14	24	21	11	20	20	10 U	10 U	20
Chloroform	5 U	1 U	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5 U	1 J
Chloromethane	5 U	1 U	5 U	5 U	10 U	110	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,2-Dichloroethene	21.3	21.1	26.7	25.5	28	28	16	29	29	23	30	26
Ethane	---	---	---	---	---	---	---	---	---	---	---	---
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	1 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Toluene	5 U	1 U	5 U	5 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U
Trichloroethene	4.59 J	5.11	5.77	5.97	5 U	5 U	5 U	6	6	6	6	5
Vinyl Chloride	7.04	7.52	7.58	7.79	12	13	5 J	8 J	9 J	4 J	10 U	7 J
2,4-Dimethylphenol	---	---	---	---	---	---	---	---	---	---	---	---
4-Methylphenol	---	---	---	---	---	---	---	---	---	---	---	---
Phenol	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-205

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/18/2000	11/3/1999	5/4/1999	10/24/1998	1/22/1997	12/27/1996	9/14/1995	9/13/1995	12/10/1994	4/19/1994	12/30/1993
1,1-Dichloroethane	5 U	5 U	5 U	5 U	---	15 U	12 U	---	10 U	1 U	3.2 U
1,2-Dichloroethane	5 U	5 U	5 U	5 U	---	15 U	12 U	---	10 U	3	3.2
1,3-Dichlorobenzene	---	---	---	---	---	---	12 U	11 U	10 U	1 U	3.2 U
1,4-Dichlorobenzene	---	---	---	---	---	---	12U	11 U	10 U	1 U	3.2 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	---	---	---	---	---	---	---
Benzene	9	12	16	35	---	67	89 J-CS	---	110	170	180 J
Chlorobenzene	720	600	690	790	---	360	630 J-CS	---	400	280	210
Chloroethane	29	27	34	19	---	15 U	25 J-CS	---	18	6.3	4
Chloroform	1 J	5 U	2 BJ	5 U	---	15 U	12 U	---	10 U	1 U	3.2 U
Chloromethane	10 U	10 U	10 U	10 U	---	15 U	12 U	---	10 U	1 U	3.2 U
cis-1,2-Dichloroethene	30	35	32	42	---	70	76 J-CS	---	87	51 D	120
Ethane	---	---	---	---	59	---	---	---	---	---	---
Ethene	---	---	---	---	3.6 J	---	---	---	---	---	---
Methane	---	---	---	---	420	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 J	5 U	---	15 U	12 U	---	10 U	1 U	3.2 U
Toluene	5 U	5 U	5 U	3 J	---	15 U	12 UJ-C	---	10 U	1 U	3.2 U
Trichloroethene	7	6	7	9	---	15 U	12 U	---	10 U	11	11
Vinyl Chloride	13	25	29	55	---	15 U	30 J-CS	---	20	24	47
2,4-Dimethylphenol	---	---	---	---	---	1.2 J	---	11 U	---	5 U	10 U
4-Methylphenol	---	---	---	---	---	1.2 J	---	11 U	---	5 U	10 U
Phenol	---	---	---	---	---	10 U	---	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	10/21/2015	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	11/14/2006
1,4-Dioxane	---	---	1.3	---	---	---	---	---	---	---	---
Acetone	22	10.0 U	10.6	71.1	21.4	19	14.4	26.2	5 U	5 U	2.43 J
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
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
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	---
di-n-Butyl Phthalate	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-212

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	10/18/2005	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	9/14/1995
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	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	2 J	5 U	0.5 U	0.5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	6 B	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	5 U	0.88	0.5 UJ-C
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	---	---	3 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-212

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	3/2/1995	12/10/1994
1,4-Dioxane	---	---
Acetone	---	---
Chloroform	0.5 UJ-C	0.5 U
Methylene chloride	0.5 UJ-C	0.5 U
Toluene	0.5 UJ-C	0.5 U
bis(2-Ethylhexyl)Phthalate	---	---
di-n-Butyl Phthalate	---	---
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-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
Methylcylohexane	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
Methylcylohexane	---	---	---	---	---	---	---	---	---	---	---
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
Methylcylohexane	---	---	---	---	---	---	---	---	---	---	---	---
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	10/23/2015	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	10/21/2009
1,4-Dioxane	1.2	2.2	2.9	---	---	---	---	---	---	---	---
2-Butanone	3 U	1.45 J	1.00 U	5 U	5 U	5 U	5 U	5 U	1.32 J	5 U	5 U
Acetone	10 J	13.9	4.26 J	5 U	5 U	5 U	5.61	4.44 J	5.09	6.07	5 U
Benzene	0.5 U	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	1.17 J	5 U
Chlorobenzene	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	1.78 J
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
m,p-Xylenes	0.5 U	1.00 U	---	5 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
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	10/14/2008	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	5/13/2002
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	10 U	10 U
Acetone	5 U	5 U	5 U	7.34 B	6.03 B	5.79 B	5.77 B	5 U	5 U	10 U	10 U
Benzene	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	5 U
Chlorobenzene	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	3 J
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 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	5 U
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Trichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	1 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	10/16/2001	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	12/10/1994
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	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	---	---	---	---	---
Benzene	2 J	2 J	2 J	3 J	3 J	4 J	5 U	11	4.6 J-C	2.2 J-C	---	1.6
Chlorobenzene	5 J	5 J	4 J	6	7	8	5 U	1.4	0.5 U	0.5 U	---	0.5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	2 BJ	5 U	0.5 U	0.5 U	0.5 UJ-C	---	0.5 U
cis-1,2-Dichloroethene	1 J	1 J	5 U	2 J	3 J	3 J	5 U	1.3	0.5 U	0.5 U	---	0.5 U
m,p-Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	1 U	1 U	3.2 J-C	---	1 U
Methylene chloride	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	---	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10	0.5 U	1 J-C	---	0.5 UJ-C
Trichloroethene	5 U	5 U	5 U	5 U	5 U	1 J	5 U	0.5 U	0.5 U	0.5 UJ-C	---	0.5 U
Benzoic Acid	---	---	---	---	---	---	---	---	3 J	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	---	---	3 J	---	---	---
Phenol	---	---	---	---	---	---	---	10 U	10 U	5 U	5 U	---
Aroclor-1016	---	---	---	---	---	---	---	---	0.023 U	---	---	0.022 U
Aroclor-1221	---	---	---	---	---	---	---	---	0.023 U	---	---	0.022 U
Aroclor-1232	---	---	---	---	---	---	---	---	0.023 U	---	---	0.022 U
Aroclor-1242	---	---	---	---	---	---	---	---	0.023 UJ-C	---	---	0.022 U
Aroclor-1248	---	---	---	---	---	---	---	---	0.023 U	---	---	0.022 U
Aroclor-1254	---	---	---	---	---	---	---	---	0.023 U	---	---	0.022 U
Aroclor-1260	---	---	---	---	---	---	---	---	0.023 U	---	---	0.022 U

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	10/24/2012	10/24/2012	5/21/2012
1,1-Dichloroethane	0.7 J	---	1	---	0.916 J	1.02	1.27 J	---	1.24 J	50 U	50 U	100 U
1,4-Dioxane	6.5	7.0	15	15	17	19	17	---	---	---	---	---
2-Butanone	3 U	---	1 U	---	5.00 U	5.00 U	1.00 U	---	5 U	50 U	50 U	100 U
4-Methyl-2-Pentanone	3 U	---	1 U	---	5.00 U	5.00 U	1.00 U	---	5 U	50 U	50 U	100 U
Acetone	6 U	---	5 U	---	10.0 U	10.0 U	5.70	---	5 U	50 U	50 U	100 U
Benzene	280	---	290	---	373	420	421	---	496	830	733	834
Chlorobenzene	6	---	8	---	7.88	9.85	9.45	---	9.5	20.3 J	16.3 J	100 U
Chloroethane	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U	50 U	50 U	100 U
Chloroform	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U	50 U	50 U	100 U
cis-1,2-Dichloroethene	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U	50 U	50 U	100 U
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	0.5 U	---	1 U	---	1.00 U	0.575 J	0.503 J	---	5 U	50 U	50 U	100 U
m,p-Xylenes	0.5 U	---	1 U	---	0.506 J	0.809 J	0.812 J	---	5 U	---	---	100 U
Methane	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U	50 U	50 U	100 U
Toluene	4	---	9	---	5.86	4.82	4.32	---	7.74	10.9 J	50 U	71.9 J
Trichloroethene	0.5 U	---	1 U	---	1.00 U	1.00 U	1.00 U	---	5 U	50 U	50 U	100 U
2,4-Dimethylphenol	0.5 U	---	---	---	---	---	9.62 U	9.26 U	---	9.26 U	9.26 U	---
2-Methylphenol	0.5 U	---	---	---	---	---	9.62 U	9.26 U	---	9.26 U	9.26 U	---
4-Methylphenol	0.5 U	---	---	---	---	---	---	---	---	---	---	---
bis(2-Ethylhexyl)Phthalate	---	---	---	---	---	---	9.62 U	9.26 U	---	9.26 U	15.7	---
di-n-Butyl Phthalate	---	---	---	---	---	---	9.62 U	9.26 U	---	9.26 U	9.26 U	---
Phenol	1	---	---	---	---	---	9.62 UJ	9.26 UJ	---	9.26 U	9.26 U	---
Aroclor-1016	---	---	---	---	---	---	0.0500 U	0.0500 U	---	0.05 U	0.05 U	---
Aroclor-1221	---	---	---	---	---	---	0.0500 U	0.0500 U	---	0.05 U	0.05 U	---
Aroclor-1232	---	---	---	---	---	---	0.0500 U	0.0500 U	---	0.05 U	0.05 U	---
Aroclor-1242	---	---	---	---	---	---	0.0500 U	0.0500 U	---	0.05 U	0.05 U	---
Aroclor-1248	---	---	---	---	---	---	0.0500 U	0.0500 U	---	0.05 U	0.05 U	---
Aroclor-1254	---	---	---	---	---	---	0.0500 U	0.0500 U	---	0.05 U	0.05 U	---
Aroclor-1260	---	---	---	---	---	---	0.0500 U	0.0500 U	---	0.05 U	0.05 U	---

Historical Detected Concentrations in OMW-215

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	10/20/2011	5/24/2011	10/14/2010	5/19/2010	10/22/2009	5/20/2009	10/15/2008	10/25/2007	11/14/2006	10/18/2005	5/24/2005
1,1-Dichloroethane	50 U	50 U	100 U	100 U	250 U	250 U	100 U	1.93 J	3.63 J	3.43 J	3.81 J
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U	5 U	5 U	2.37 J
4-Methyl-2-Pentanone	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U	5 U	12.6	10.5
Acetone	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U	15.8	22.5 B	27.2 B
Benzene	1100	792	722	1440	1270	2580	1660	686	1130	1220	1170
Chlorobenzene	27.1 J	19.3 J	20.9 J	37.5 J	250 U	150 J	54.1 J	13.3	31.2	30.8	37
Chloroethane	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U	5 U	1.57 J	1.03 J
Chloroform	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	50 U	50 U	100 U	100 U	250 U	250 U	100 U	2.92 J	1.43 J	1.16 J	5 U
Ethene	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U	1.95 J	1.73 J	1.97 J
m,p-Xylenes	---	---	---	---	---	250 U	100 U	---	---	2.33 J	2.38 J
Methane	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	50 U	50 U	100 U	100 U	250 U	250 U	100 U	5 U	1.33 J	1.39 J	1.43 J
Toluene	67.4	18.3 J	100 U	78.4 J	327	750	446	16.6	254	287	269
Trichloroethene	50 U	50 U	100 U	100 U	250 U	250 U	100 U	3.1 J	1.74 J	5.75	1.32 J
2,4-Dimethylphenol	9.26 U	---	9.26 U	---	1.29 J	---	23.8 U	9.26 U	10 U	9.52 U	---
2-Methylphenol	9.26 U	---	1.75 J	---	3.25 J	---	23.8 U	9.26 U	10 U	9.52 U	---
4-Methylphenol	20.5	---	24.9	---	48.8	---	42.2	20.3	50.4	58.8	---
bis(2-Ethylhexyl)Phthalate	9.26 U	---	9.26 U	---	8.37 J	---	23.8 U	9.26 U	10 U	9.52 U	---
di-n-Butyl Phthalate	9.26 U	---	9.26 U	---	9.26 U	---	23.8 U	9.26 U	10 U	9.52 U	---
Phenol	9.26 U	---	6.28 J	---	5.46 J	---	23.8 U	9.26 U	16	12.6	---
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	0.0545	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-215

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	10/19/2004	5/18/2004	10/22/2003	5/21/2003	10/2/2002	5/14/2002	10/17/2001	5/8/2001	11/16/2000	5/19/2000	11/3/1999	5/4/1999
1,1-Dichloroethane	2.61 J	2.96	2.92 J	25 U	2 J	5 U	3 J	3 J	5 U	3 J	2 J	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
2-Butanone	5 U	1 U	5 U	25 U	10 U	10 U	5 J	10 U	10 U	10 U	5 J	10 U
4-Methyl-2-Pentanone	5 U	9.07	5 U	25 U	10 U	10 U	9 J	13	8 J	5 J	6 J	10 U
Acetone	5 U	31.1 B	47.1	48.6	12	27	100	68	10 U	45	80	160
Benzene	704	846	962	1020	390	620	1100	1100	1200	600	900	770
Chlorobenzene	14.1	28.9	25.9	27.9	6	9	26	29	23	6	18	23
Chloroethane	1 J	1.2	5 U	25 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	5 U	1 U	5 U	25 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 BJ
cis-1,2-Dichloroethene	1.84 J	1 U	1.05 J	25 U	3 J	5 U	5 U	5 U	5 U	8 J	5 U	5 U
Ethene	---	---	---	---	---	---	---	---	---	---	---	---
Ethylbenzene	5 U	1.37	1.22 J	25 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U	5 U
m,p-Xylenes	5 U	1 U	5 U	25 U	5 U	5 U	2 J	2 J	5 U	5 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---	---
o-Xylene	5 U	1 U	5 U	25 U	5 U	5 U	1 J	1 J	5 U	5 U	5 U	5 U
Toluene	39.6	155	251	264	20	53	320	280	290	63	240	200
Trichloroethene	2.18 J	1.45	1.8 J	25 U	5 U	5 U	1 J	5 U	5 U	5 U	5 U	1 J
2,4-Dimethylphenol	9.26 U	---	9.26 U	---	5 U	---	1 J	---	10 U	---	9 J	---
2-Methylphenol	9.26 U	---	1.2 J	---	5 U	---	3 J	---	2 J	---	10 U	---
4-Methylphenol	25.3	---	35.2	---	5 J	---	37	---	26	---	22	---
bis(2-Ethylhexyl)Phthalate	9.26 U	---	9.26 U	---	5 U	---	1 J	---	10 U	---	10 U	---
di-n-Butyl Phthalate	9.26 U	---	9.26 U	---	5 U	---	10 U	---	10 U	---	10 U	---
Phenol	10.4	---	7.99 J	---	2 J	---	3 J	---	3 J	---	10 U	---
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-215

Dewey Loeffel Landfill Superfund Site
Nassau, New York

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

Historical Detected Concentrations in OMW-216

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	10/23/2015	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	10/21/2009
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	5 U
1,4-Dioxane	1.4	2.7	2.6	---	---	---	---	---	---	---	---
Acetone	6 U	10.0 U	5.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	0.6 J	1.00 U	1.00 U	5 U	5 U	1.38 J	5 U	5 U	5 U	2.87 J	4.16 J
Chlorobenzene	4	4.06	3.57	4.2 J	4.77 J	5.2	6.93	7.37	7.07	6.86	5.65
Chloroethane	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
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	2	1.79	1.92	2.49 J	2.83 J	3.38 J	3.69 J	3.45 J	3.86 J	4.44 J	3.45 J
m,p-Xylenes	0.5 U	1.00 U	---	5 U	---	5 U	---	---	---	---	---
Methane	---	---	---	---	---	---	---	---	---	---	---
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
o-Xylene	0.5 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	2	1.69	2.01	2.45 J	2.98 J	3.83 J	2.73 J	2.42 J	3.57 J	3.35 J	2.55 J
Vinyl Chloride	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
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	10/14/2008	10/25/2007	11/14/2006	10/18/2005	5/23/2005	10/19/2004	5/18/2004	10/22/2003	5/20/2003	10/2/2002	5/13/2002
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	5 U	5 U	5 U	1.1 JB	5 U	1 U	5 U	5 U	10 U	10 U
Benzene	5 U	5 U	5 U	1.69 J	2.45 J	1.47 J	1.01	1.2 J	5 U	2 J	1 J
Chlorobenzene	5.59	5.98	7.03	7.14	7.08	6.16	11.2	12.4	13.1	11	10
Chloroethane	5 U	5 U	5 U	1.21 J	5 U	5 U	1 U	5 U	5 U	10 U	10 U
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
cis-1,2-Dichloroethene	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	4 J	3 J
m,p-Xylenes	5 U	---	---	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
Methylene chloride	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
o-Xylene	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 U	5 U	5 U
Trichloroethene	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	5 U	5 U
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	5 U	1 U	5 U	5 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	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	12/28/1996
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	0.5 U
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	---
Benzene	1 J	1 J	2 J	2 J	2 J	5 U	17	89	78	---	14
Chlorobenzene	10	9	9	10	8	5	13	41	38	---	5.2
Chloroethane	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	0.5 U
Chloroform	5 U	5 U	5 U	5 U	5 U	2 BJ	5 U	2 J	5 U	---	0.5 U
cis-1,2-Dichloroethene	4 J	3 J	3 J	4 J	3 J	4 J	5	23	18	---	3.9
m,p-Xylenes	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 J	3 J	---	1 U
Methane	---	---	---	---	---	---	---	---	---	43	---
Methylene chloride	5 U	3 BJ	5 U	5 U	4 BJ	3 BJ	9 B	5 U	5 U	---	0.5 U
o-Xylene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2 J	3 J	---	0.5 U
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	6	83	75	---	0.84
Trichloroethene	2 J	2 J	5 U	3 J	2 J	3 J	2 J	4 J	4 J	---	2.5
Vinyl Chloride	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	---	0.5 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	10/13/1995	10/12/1995	9/11/1995
1,2-Dichloroethane	1 U	---	1.2
1,4-Dioxane	---	---	---
Acetone	---	---	---
Benzene	24	---	26 J-C
Chlorobenzene	2.3 J-P	---	2.8
Chloroethane	1 U	---	0.5 U
Chloroform	1 U	---	1.3
cis-1,2-Dichloroethene	2.9	---	4.4
m,p-Xylenes	2 U	---	1 U
Methane	---	---	---
Methylene chloride	0.43 J-P	---	6
o-Xylene	---	---	---
Toluene	1 UJ-C	---	2.1 J-C
Trichloroethene	3.8 J-P	---	15
Vinyl Chloride	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	10/21/2015	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	10/17/2005
1,4-Dioxane	---	---	0.13 J	---	---	---	---	---	---	---	---
Acetone	6 U	10.0 U	5.00 U	5 U	5 U	1.17 J	5 U	5 U	5 U	5 U	5 U
Methane	---	---	---	---	---	---	---	---	---	---	---
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	5	1.00 U	1.00 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzidine	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-218

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	1/7/1996
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	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 BJ	---	0.5 U	0.5 U	0.5 UJ-CS
Toluene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	---	0.63	0.5 U	0.5 UJ-S
Benzidine	---	---	---	---	---	---	---	---	---	50 UJ-C	51 R-C
Aroclor-1016	---	---	---	---	---	---	---	---	---	0.022 U	0.022 U
Aroclor-1221	---	---	---	---	---	---	---	---	---	0.022 U	0.022 U
Aroclor-1232	---	---	---	---	---	---	---	---	---	0.022 U	0.022 U
Aroclor-1242	---	---	---	---	---	---	---	---	---	0.022 U	0.022 U
Aroclor-1248	---	---	---	---	---	---	---	---	---	0.022 U	0.078
Aroclor-1254	---	---	---	---	---	---	---	---	---	0.022 U	0.022 U
Aroclor-1260	---	---	---	---	---	---	---	---	---	0.022 U	0.022 U

Historical Detected Concentrations in OMW-219

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	10/22/2015	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	10/18/2011
1,4-Dioxane	0.19 U	---	0.20 U	0.20 U	---	---	---	---	---	---	---	---
Acetone	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	0.5 U
Benzene	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	1.09
cis-1,2-Dichloroethene	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	0.951
Methylene chloride	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	0.5 U
Trichloroethene	3	4.31	2.78	2.83	3.48	6.13	4.15	4.56	9.2	9.44	10.7	10.8
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/23/2011	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	10/14/2008
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	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	0.5 U
Benzene	0.753	0.74	5 U	5 U	2.9	3.25	5 U	5 U	1.57	1.43	0.5 U
cis-1,2-Dichloroethene	0.742	0.758	5 U	5 U	2.02	2.22	5 U	5 U	0.995	0.901	0.5 U
Methylene chloride	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	0.5 U
Trichloroethene	8.72	9.3	9.14	9.58	25.4	29.1	9.52	10.3	15.1	14.3	5.42
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	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	10/18/2004
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5 U	0.5 U
Benzene	5 U	1.58	1.6	0.5 U	0.5 U	0.5 U	0.853	0.972	0.5 U	5 U	0.5 U
cis-1,2-Dichloroethene	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	0.5 U
Methylene chloride	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	0.5 U
Trichloroethene	5.09	16.8	16.4	3.19	4.48	3.83	7.5	9.23	0.653	5 U	2.21
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-221

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/17/2004	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	1/14/1997
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	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	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U
cis-1,2-Dichloroethene	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	0.5 U
Methylene chloride	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	0.5 U
Trichloroethene	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	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	10/22/2015	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	5/18/2010
1,4-Dioxane	0.19 U	---	---	0.20 U	---	---	---	---	---	---	---
Acetone	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	0.5 U
Carbon Disulfide	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	0.5 U
Methylene chloride	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
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	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	5/23/2005
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---
Acetone	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	1.09 B
Carbon Disulfide	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	4.51
Methylene chloride	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	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-222

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	10/19/2004	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	10/22/1998
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	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	10 U
Carbon Disulfide	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	7 B	4 BJ	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	1/14/1997
1,4-Dioxane	---
Acetone	---
Carbon Disulfide	---
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 OMW-223

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	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	12/15/2009
1,4-Dioxane	---	---	0.20 U	---	---	---	---	---	---	---	---
Acetone	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	0.5 U
Chloromethane	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	0.5 U
Methylene chloride	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	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	10/19/2009	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	10/18/2004
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	0.658 B	0.5 U
Chloromethane	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	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	1.45 B	0.5 U	0.5 U	0.5 U
Aroclor-1016	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1221	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1232	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1242	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1248	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1254	---	---	---	---	---	---	---	---	---	---	---
Aroclor-1260	---	---	---	---	---	---	---	---	---	---	---

Historical Detected Concentrations in OMW-223

Dewey Loeffel Landfill Superfund Site
Nassau, New York

Sample Date	5/17/2004	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	1/14/1997
1,4-Dioxane	---	---	---	---	---	---	---	---	---	---	---	---
Acetone	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	10 U	10 U	10 U	10 U	10 U	10 U	0.5 U
Methylene chloride	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	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 2015 Low-Flow Sampling Forms

O'BRIEN & GERE — 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: RDH, JAT
Site Location: Nassau, NY | Equipment Used: QED Bladder | Date: 5/13/15
Project #: 60994.200.016 | Pump/Controller ID#: FA6090 | Weather: ±60's, partly cloudy

Well information:
Installed Depth of Well*: 78.04 ft. bmp.
Measured Depth of Well*: 77.96 ft. bmp.
Depth to Water*: 37.98 ft.
Length of Water Column (LWC): 39.98 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*: 72.99 ft. bmp.

Start Purge Time: 13:22
Initial Observations: Color clear Odor none Sheen/Free Product none

indicate units — WQ Meter: FA01109, Turbidity meter: FA00414

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	38.24	11.94	7.26	310.1	-161.4	2.38	11.9	300	
5	39.31	10.44	7.35	347.20	-166.10	1.38	15.7	380	
10	39.81	10.48	7.48	349.70	-178.20	1.11	14.4	220	
15	40.17	10.57	7.53	350.20	-181.10	0.97	12.4	210	
20	40.37	10.62	7.56	352.80	-185.20	0.87	10.4	210	
25	40.72	10.62	7.58	354.40	-186.70	0.76	9.16	250	
30	40.71	10.79	7.59	363.00	-188.40	0.67	8.99	220	
35	40.98	11.50	7.59	361.10	-185.80	0.61	9.13	220	
40	41.25	11.28	7.60	360.10	-193.20	0.50	7.83	220	
45	41.46	11.22	7.62	358.80	-197.70	0.44	7.41	210	
50	41.73	11.22	7.64	358.40	-199.80	0.38 (JT)	~~7.64~~ 6.89	200	
55	41.92	11.55	7.65	356.80	-201.50	0.34	6.86	200	
60	42.06	11.26	7.67	353.70	-204.60	0.30	6.44	200	
65	42.23	11.26	7.68	351.50	-207.40	0.26	6.22	200	
70	42.50	10.90	7.70	350.10	-217.00	0.20	6.69	200	
75	42.74	11.18	7.74	347.90	-224.20	0.16	5.96	210	
80	42.95	11.45	7.77	343.30	-229.20	0.13	6.59	210	
85	43.11	11.55	7.77	340.80	-230.30	0.11	6.91	210	
88	43.17	11.77	7.78	340.60	-230.30	0.10	7.14	200	
91	43.26	11.98	7.78	341.4	-229.6	0.10	7.21	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 14:53
DO Titrataion = NA mg/L
Total volume of groundwater purged: 5 gal.

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

Sample ID: OMW-102-051315, Dup-001-051315 Sample Time: 15:00

Analytical Parameters: VOC's, 1,4 Dioxane ~~and Phenols~~ (PLD)

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	~~8~~ 6 (JT)	No	HCL	Pace Analytical
250 ml	Amber Glass	2	No	None	Pace Analytical/ALS

Notes: Collect Dup-001 for VOCs (JT)

O'BRIEN & GERE — 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: JAT, RDH
Site Location: Nassau, NY | Equipment Used: QED Bladder | Date: 05/13/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00990 | Weather: ~60's, Partly Cloudy

Well information:
Installed Depth of Well*: 108.21 ft. bmp.
Measured Depth of Well*: 108.4 ft. bmp.
Depth to Water*: 38.07 ft.
Length of Water Column (LWC): ~~38.07~~ (JT) in. 70.33
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*: 98.21 ft. bmp.

Start Purge Time: 11:15
Initial Observations: Color clear Odor none Sheen/Free Product none

indicate units — WQ Meter: FA01109 Turbidity Meter: FA04144

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen* (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	38.44	13.33	7.22	1428.12	-87.5	7.69	11.4	220	
5	38.67	11.46	7.13	829.81	-86.90	6.15	11.7	280	
10	39.11	10.56	7.18	1439.03	-118.50	4.30	6.12	280	
15	39.26	10.90	7.20	1436.78	-120.00	4.63	3.77	280	
20	39.34	10.81	7.19	1441.98	-126.70	1.63	3.04	280	
25	39.38	10.94	7.18	1441.30	-130.10	1.44	2.68	280	
30	39.43	10.99	7.17	1442.18	-128.80	1.40	1.98	260	
35	39.45	10.89	7.16	1459.74	-130.50	1.37	1.69	260	
40	39.44	10.81	7.14	1457.72	-129.30	1.28	1.76	260	
45	39.44	10.93	7.14	1464.46	-129.00	1.28	1.56	260	
50	39.41	11.22	7.13	1478.08	-127.90	1.33	1.36	250	
55	39.32	11.55	7.10	1487.60	-122.90	1.35	1.34	230	
60	39.23	11.41	7.08	1410.12	-121.40	1.37	1.12	200	
65	39.23	11.73	7.08	1511.18	-118.90	1.48	2.95	200	
70	39.16	11.54	7.06	1515.40	-118.10	1.23	1.11	200	
75	39.14	11.04	7.07	1522.29	-120.00	0.96	1.02	200	
80	39.16	10.90	7.08	1520.61	-120.10	1.02	2.37	200	
85	39.19	11.01	7.08	1521.9	-117.8	1.03	2.43	200	
90	39.17	11.11	7.08	1520.4	~~-114.8~~ (JT)	1.04	2.39	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 12:45
DO Titrataion = NA mg/L
Total volume of groundwater purged: 4.5 gal.

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

Sample ID: OMW-201-051315 Sample Time: 12:50

Analytical Parameters: VOC's, 1,4 Dioxane ~~and Phenols~~ (PLD)

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

Notes: * Could not remove small amount of Dissolved Oxygen in sample line. Dissolved oxygen elevated due to nitrogen being introduced into line from bladder pump during purging.

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: OMW-204
Northing: 933124.002
Easting: 707900.508

Site Name: Dewey Loeffel Landfill
Site Location: Nassau, NY
Project #: 60994.200.016
Sampling Method: Bladder Pump
Equipment Used: QED Bladder
Pump/Controller ID#:
Field Personnel:
Date:
Weather:

Well information:
Installed Depth of Well*: 70.82 ft. bmp.
Measured Depth of Well*: 51.36 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*: 51.20 ft. bmp.

Start Purge Time:
Initial Observations: *Color* *Odor* *Sheen/Free Product*

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 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

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

Notes: Well suspected of formation collapse. Well measured as dry.

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: OMW-205
Northing: 932847.988
Easting: 708049.309

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: RH, JAT
Site Location: Nassau, NY | Equipment Used: QED Bladder | Date: 5/12/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00990 | Weather: ±80s, Sunny

Well information:

Installed Depth of Well*:	55.37	ft. bmp.
Measured Depth of Well*:	51.03	ft. bmp.
Depth to Water*:	30.80	ft.
Length of Water Column (LWC):	20.23	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: (RH) ~~13.21~~ NA gal.
Pump Intake Depth*: 44.15 ft. bmp.

Start Purge Time: 1258
Initial Observations: *Color* clear *Odor* none *Sheen/Free Product* none
Smart troll WQ: FA01109 *indicate units* FA00914: LaMotte 2020we turbidity meter

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	31.37	12.28	6.02	379.77	-60.5	0.98	14.4	400	
5	32.00	12.00	6.55	393.41	-112.50	0.40	32.2	300	
10	33.71	12.01	6.96	391.64	-129.80	0.34	28.9	300	
15	33.02	11.81	7.19	391.33	-135.80	0.28	36.3	300	
20	32.98	11.73	7.32	390.81	-136.70	0.25	34.8	300	
25	33.12	12.01	7.45	379.52	-134.70	0.24	35.8	250	
30	33.29	11.59	7.51	362.76	-128.60	0.20	34.4	300	
35	33.48	11.73	7.54	351.63	-122.90	0.18	32.0	275	
40	33.61	12.68	7.56	353.57	-119.30	0.17	27.9	250	
45	33.65	13.02	7.58	363.08	-119.20	0.17	22.8	275	
50	33.75	12.84	7.56	367.47	-116.30	0.17	20.6	250	
55	33.78	12.70	7.59	370.17	-114.90	0.16	18.2	250	
60	33.84	12.47	7.59	373.42	-112.70	0.15	18.4	250	
65	33.83	12.94	7.62	375.29	-112.50	0.15	15.9	210	
70	33.83	13.24	7.66	379.30	-114.80	0.14	12.9	220	
75	33.92	12.38	7.61	377.32	-109.90	0.12	13.8	220	
78	33.95	12.56	7.61	370.41	-106.7	0.12	14.7	220	
81	33.91	13.10 *	7.62	369.94	-106.7	0.12	13.9	220	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1419
DO Titrataion = NA mg/L
Total volume of groundwater purged: 5.5 gal.

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

Sample ID: OMW-205-~~MS/MSD~~-(J1)-051215, OMW-205-051215-MS/MSD **Sample Time:** 1425

Analytical Parameters: VOCs and 1,4 Dioxane

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	(RH) 8 9	No	HCL	Pace Analytical
250 ml	Amber Glass	(RH) 2 ~~1~~ 2	No	None	Pace Analytical/ALS

Notes: * could not stabilize temp. due to WQ meter in direct sunlight during purging
COLLECT MS/MSD (VOCS)
(J1) COLLECT ~~DUP-002 (1,4 DIOXANE)~~ ~~Move to OMW-201~~ ok (RH)

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: OMW-211
Northing: 933128.266
Easting: 707889.777

Site Name: Dewey Loeffel Landfill
Site Location: Nassau, NY
Project #: 60994.200.016
Sampling Method: Bladder Pump
Equipment Used: QED Bladder
Pump/Controller ID#:
Field Personnel:
Date:
Weather:

Well information:
Installed Depth of Well*: 52.87 ft. bmp.
Measured Depth of Well*: 50.97 ft. bmp.
Depth to Water*: ft.
Length of Water Column (LWC): 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: gal.
Pump Intake Depth*: 50.38 ft. bmp.

Start Purge Time:
Initial Observations: *Color* *Odor* *Sheen/Free Product*

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time:
Total volume of groundwater purged: gal.
DO Titrataion = mg/L

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

Sample ID: **Sample Time:**

Analytical Parameters: VOCs ~~and 1,4 Dioxane~~ (PLA)

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

Notes: Well measured as dry -

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: OMW-213
Northing: 352.567
Easting: 707627.148

Site Name: Dewey Loeffel Landfill
Site Location: Nassau, NY
Project #: 60994.200.016
Sampling Method: Bladder Pump
Equipment Used: QED Bladder
Pump/Controller ID#: FA0C990
Field Personnel: RDH, JAT
Date: 5/14/15
Weather: ±60's, SUNNY

Well Information:
Installed Depth of Well*: 85.27 ft. bmp.
Measured Depth of Well*: 84.9 ft. bmp.
Depth to Water*: 76.48 ft.
Length of Water Column (LWC): 8.42 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: 0913
Initial Observations: Color clear Odor none Sheen/Free Product none

indicate units — WQ meter: FA01109 Turbidity meter: FA00414

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	76.66	10.53	6.42	925.3	117.0	10.50	5.62	300	
5	77.13	9.96	6.50	976.60	~~413~~ 135	4.09	5.06	200	
10	77.44	9.87	6.66	984.30	-55.30	1.30	6.95	100	
15	77.66	10.11	6.79	982.30	-67.10	0.91	4.88	100	
20	78.00	10.07	6.90	974.30	-73.10	0.65	5.34	100	
25	78.20	10.01	6.98	975.00	-75.20	0.58	5.28	100	
30	78.41	10.06	7.04	971.50	-74.70	0.52	4.08	120	
35	78.74	10.01	7.09	959.20	-71.20	0.42	4.96	110	
40	79.05	10.11	7.14	951.40	-64.40	0.44	4.72	100	
45	79.30	10.29	7.17	944.30	-57.40	0.44	4.48	110	
50	79.58	10.53	7.21	927.50	-52.10	0.42	4.54	100	
55	79.77	10.39	7.23	924.10	-46.10	0.43	3.80	100	
60	80.10	10.47	7.26	907.70	-42.10	0.42	3.75	120	
65	80.50	10.29	7.28	897.30	-38.80	0.55	3.73	110	
70	80.83	10.64	7.31	883.50	-36.20	0.89	4.12	110	
75	81.03	10.77	7.32	870.90	-31.80	~~1.33~~	4.72	110	
78	81.11	10.94	7.34	867.4	-28.4	1.53	4.42	100	
(JT) ~~82~~ 81	81.25	11.26	7.34	862.4	-24.7	1.79	4.57	100	
84	81.33	11.26	7.36	858.3	-21.3	1.94	4.54	100	
87	81.40	11.26	7.37	857.7	-16.5	2.10	4.83	100	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1040
Total volume of groundwater purged: 3.5 gal.
DO Titration = NA mg/L

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

Sample ID: OMW-213-051415 Sample Time: 1045

Analytical Parameters: VOCs ~~and 1,4-Dioxane~~ (PLD)

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	(RH) 3 05/13/15	No	HCL	Pace Analytical

Notes:
~~COLLECT DUP-001 (VOCS)~~ (RH) 05/13/15
* Could not remove Dissolved Oxygen from sample line. No evidence of air bubbles in line during purging.

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: OMW-215
Northing: 1358321.966
Easting: 744513.538

Site Name: Dewey Loeffel Landfill
Site Location: Nassau, NY
Project #: 60994.200.016
Sampling Method: Bladder Pump
Equipment Used: QED Bladder
Pump/Controller ID#: FA00990
Field Personnel: RDH, JAT
Date: 5/13/15
Weather: 60s, partly cloudy

Well information:
Installed Depth of Well*: 243.5 ft. bmp.
Measured Depth of Well*: 242.48 ft. bmp.
Depth to Water*: 64.16 ft.
Length of Water Column (LWC): 178.32 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: ~~7.31~~ (RH) NA gal.
Pump Intake Depth*: 224.97 ft. bmp.

Start Purge Time: 8:43
Initial Observations: Color clear Odor none Sheen/Free Product none

indicate units — FA01109 - WQ meter; FA00414 - Turbidity meter

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	64.61	11.55	7.33	629.09	-62.3	1.54	116.9	200	
5	65.53	10.48	8.77	634.69	-68.60	0.90	20.6	220	
10	65.68	10.52	8.97	637.09	-65.30	0.76	19.4	220	
15	65.43	10.53	9.04	638.41	-62.00	0.68	14.5	220	
20	65.51	10.47	9.08	639.90	-61.00	0.59	11.5	210	
25	65.30	10.53	9.08	640.69	-63.80	0.56	6.7	220	
30	65.30	10.52	9.11	639.19	-58.80	0.28	4.3	220	
35	65.30	10.57	9.10	639.38	-58.60	0.21	3.2	200	
40	65.43	10.57	9.13	639.96	-59.90	0.19	2.4	200	
45	65.37	10.57	9.14	640.43	-58.80	0.16	2.4	210	
50	65.31	10.47	9.13	641.22	-57.50	0.14	2.6	220	
55	65.31	10.38	9.15	640.54	-57.20	0.13	2.6	210	
60	65.32	10.34	9.14	640.34	-56.10	0.12	2.5	210	
65	65.31	10.34	9.13	640.68	-54.80	0.11	1.8	220	
70	65.35	10.34	9.12	641.20	-54.00	0.10	1.9	220	
75	65.36	10.27	9.14	641.07	-54.10	0.09	1.2	220	
80	65.38	10.34	9.14	641.93	-54.50	0.08	1.3	220	
83	65.35	10.43	9.15	640.82	-54.50	0.08	1.2	220	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1006
Total volume of groundwater purged: 4 gal.
DO Titrataion = NA mg/L
Final Observations: Color (JT) clear Odor none Sheen/Free Product none

Sample ID: OMW-215-051315 and OMW-215-051315-MS/MSD and DUP-002-051315 Sample Time: 1015

Analytical Parameters: VOC's, 1,4 Dioxane ~~and Phenols~~ (PLS)

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Pace Analytical
250 ml	Amber Glass	(RH) 2 ~~6~~ 8 (JT)	No	None	Pace Analytical/ALS

Notes:
COLLECT MS/MSD (1,4-DIOXANE)
DUP-002 (1,4-Dioxane)

O'BRIEN & GERE — Low Flow Groundwater Sampling Log

Well ID: OMW-219
Northing: 932867.002
Easting: 707652.188

Site Name: Dewey Loeffel Landfill
Site Location: Nassau, NY
Project #: 60994.200.016
Sampling Method: Bladder Pump
Equipment Used: QED Bladder
Pump/Controller ID#:
Field Personnel:
Date:
Weather:

Well information:
Installed Depth of Well*: 268.18 ft. bmp.
Measured Depth of Well*: ft. bmp.
Depth to Water*: 71.28 ft.
Length of Water Column (LWC): 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: gal.
Pump Intake Depth*: 247.18 ft. bmp.

Start Purge Time:
Initial Observations: *Color* *Odor* *Sheen/Free Product*

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time:
DO Titrataion = mg/L
Total volume of groundwater purged: gal.

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

Sample ID: **Sample Time:**

Analytical Parameters: VOCs

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

Notes: Well suspected of formation collapse.

Spring 2015 Groundwater Sample Chain-of-Custody Forms

O'BRIEN & GERE

Dewey Loeffel Landfill Groundwater Monitoring Program

Page 1 of 1

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York	Sampling Program: 1st Semi-Annual Sampling	Sampler(s): Jordan Thomson & Rob Hornung	Lab Use Only 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 / Janet Forsell
Email: Paul.D'Annibale@obg.com / Amy.Spooner-Stevens@obg.com / Janet.Forsell@obg.com

Laboratory:
Pace Analytical Services, Inc.
575 Broad Hollow Rd Melville, NY 11747-5076
Pace PM: Nicole Johnson
Phone: (518) 688-3847

SUBCONTRACT TO ALS
Analysis Holding Time:
VOCs 7 days to extraction
40 days to analysis
Package Requirement:
GE - Lvl 4 w/ 21 calendar day TAT
Project Number: 60994.200.016
EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

Lab ID:

Job Number:

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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	VOCs by SW-846 Method 8260C (0) (Reporting Units: ug/L)	Lab Sample ID
1	OMW-20S-051215	OMW-20S	05/12/15	14:25	N	WG	3	G	N	X	
2	OMW-20S-051215-MS/MSD	OMW-20S	05/12/15	14:25	MS	WQ	6	G	N	X	
3	TB-051215	—	05/12/15	—	TB	WQ	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: Leave SDG Open.

Relinquished by	Date / Time	Received by	Date / Time	Condition
Robert Hornung of: O'Brien & Gere	05/12/15 1645	Chris Pelosi of: Pace	5/12/15 1645	INTACT
Relinquished by: of:	Date: Time:	Received by: of:	Date: Time:	Custody Seals intact? (Y) N
Relinquished by: of:	Date: Time:	Received by: of:	Date: Time:	Cooler Temperature: 3.0°C

Comments or Notes:
Analyze and report in accordance with Dewey Loeffel QAPP, (ARCADIS, December 2013). 21 calendar day TAT for Lvl 4 Pkg (PDF) and EQuIS 4-file EDD

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:

Page 1 of 1

O'BRIEN & GERE

Dewey Loeffel Landfill Groundwater Monitoring Program

Lab Use Only

Project Number:

Lab ID:

Job Number:

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 1st Semi-Annual Sampling

Sampler(s): Jordan Thomson & Rob Hornung

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

Laboratory:
Subcontracted by Pace Analytical Services, Inc. to ALS Environmental, Rochester, NY

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: 60994.200.016
EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

	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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	Low Level 1,4-Dioxane by SW-846 Method 8270D (Preservative 0; Reporting Units ug/L)	Lab Sample ID
1	OMW-20S-051215	OMW-20S	05/12/15	14:25	N	WG	2	G	N	X	
2								G	N		
3								G	N		
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: Leave SDG open.

Relinquished by	Date / Time	Received by	Date / Time	Condition
Relinquished by: Robert Hornung of: O'Brien & Gere	Date 05/12/15 Time 1645	Received by: Chris Pelosi of: Pace	Date 5/12/15 Time 1645	Condition: INTACT
Relinquished by: of:	Date Time	Received by: of:	Date Time	Custody Seals intact? (Y) N
Relinquished by: of:	Date Time	Received by: of:	Date Time	Cooler Temperature: 3.0°C

Comments or Notes:

Analyze and report in accordance with Dewey Loeffel QAPP, (ARCADIS, December 2013). 21 calendar day TAT for Lvl 4 Pkg (PDF) and EQuIS 4-file EDD

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:

Dewey Loeffel Landfill Groundwater Monitoring Program

O'BRIEN & GERE

Page 1 of 1

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

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 1st Semi-Annual Sampling

Sampler(s): Jordan Thomson & Rob Hornung

Laboratory: Pace Analytical Services, Inc. 575 Broad Hollow Rd Melville, NY 11747-5076

Pace PM: Nicole Johnson

Phone: (518) 688-3847

~~SUBCONTRACT TO ALS~~ (RH)

Analysis Holding Time: VOCs 7 days to extraction, 40 days to analysis

Package Requirement: GE - Lvl 4 w/ 21 calendar day TAT

Project Number: 60994.200.016

EDD Format: EQuIS 4-File

Lab Use Only — Project Number: / Lab ID: / Job Number:

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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	VOCs by SW-846 Method 8260C (ug/L)	Lab Sample ID
1	OMW-215-051315	OMW-215	05/13/15	10:15	N	WG	3	G	N	X	
2	OMW-201-051315	OMW-201	05/13/15	12:50	N	WG	3	G	N	X	
3	OMW-102-051315	OMW-102	05/13/15	15:00	N	WG	3	G	N	X	
4	DUP-001-051315	OMW-102	05/13/15	—	FD	WG	3	G	N	X	
5	TB-051315	—	05/13/15	—	TB	WQ	2	G	N	X	
6								G	N		
7								G	N		
8								G	N		
9								G	N		
10								G	N		
11								G	N		
12								G	N		

Special Instructions: Leave SDG open. 1 of 2 trip blank VOA vials contains headspace. Analyze trip blank VOA vial with no headspace.

Relinquished by	Date / Time	Received by	Date / Time
Robert Hornung of: O'Brien & Gere	5/13/15 17:15	J. Betting (PACE) of:	5/13/15 17:15
Relinquished by: of:	Date: Time:	Received by: of:	Date: Time:
Relinquished by: of:	Date: Time:	Received by: of:	Date: Time:

Condition:

Custody Seals intact? Y N N/A

Cooler Temperature: 1.3°C

Comments or Notes: **Analyze and report in accordance with Dewey Loeffel QAPP, (ARCADIS, December 2013). 21 calendar day TAT for Lvl 4 Pkg (PDF) and EQuIS 4-file EDD**

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:

O'BRIEN & GERE

Dewey Loeffel Landfill Groundwater Monitoring Program

Page 1 of 1

Site Name / Location:	Dewey Loeffel Landfill / Nassau, New York
Sampling Program:	1st Semi-Annual Sampling
Sampler(s):	Jordan Thomson & Rob Hornung

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

Laboratory: Subcontracted by Pace Analytical Services, Inc. to ALS Environmental, Rochester, NY

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: 60994.200.016
EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom) 0

Lab Use Only
Project Number:
Lab ID:
Job Number:

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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	Low Level 1,4-Dioxane by SW-846 Method 8270D (ug/L)	Lab Sample ID
1	OMW-215-051315	OMW-215	05/13/15	10:15	N	WG	2	G	N	X	
2	OMW-215-051315-MS/MSD	OMW-215	05/13/15	10:15	MS	WQ	4	G	N	X	
3	OMW-201-051315	OMW-201	05/13/15	12:50	N	WG	2	G	N	X	
4	OMW-102-051315	OMW-102	05/13/15	15:00	N	WG	2	G	N	X	
5	DUP-002-051315	~~OMW-215~~	05/13/15	—	FD	WG	2	G	N	X	
6								G	N		
7								G	N		
8								G	N		
9								G	N		
10								G	N		
11								G	N		
12								G	N		

Special Instructions: Leave SDG open.

Relinquished by	Date / Time	Received by	Date / Time
Robert Hornung, of: O'Brien & Gere	5/13/15 17:15	[signature] (PACE), of:	5/13/15 17:15
Relinquished by: of:	Date: Time:	Received by: of:	Date: Time:
Relinquished by: of:	Date: Time:	Received by: of:	Date: Time:

Condition:
Custody Seals intact? Y N N/A
Cooler Temperature: 1.3°C

Comments or Notes:
Analyze and report in accordance with Dewey Loeffel QAPP, (ARCADIS, December 2013). 21 calendar day TAT for Lvl 4 Pkg (PDF) and EQuIS 4-file EDD

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:

O'BRIEN & GERE

Dewey Loeffel Landfill Groundwater Monitoring Program

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Lab Use Only

Project Number:

Lab ID:

Job Number:

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 1st Semi-Annual Sampling

Sampler(s): Jordan Thomson & Rob Hornung

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

Laboratory:
Pace Analytical Services, Inc.
575 Broad Hollow Rd Melville, NY 11747-5076

Pace PM: Nicole Johnson
Phone: (518) 688-3847

~~SUBCONTRACT TO ALS~~ (JT)

Analysis Holding Time:
VOCs 7 days to extraction
40 days to analysis

Package Requirement:
GE - Lvl 4 w/ 21 calendar day TAT

Project Number: 60994.200.016

EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

	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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	VOCs by SW-846 Method 8260C	Lab Sample ID
	Sample Identification							Reporting Units		ug/L	
1	OMW-213-051415	OMW-213	05/14/15	1045	N	WG	3	G	N	X	
2	TB-051415	—	05/14/15	—	TB	WQ	2	G	N	X	
3								G	N		
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: Close SDG.

Relinquished by: Robert Hornung	Date 05/14/15	Received by:	Date 5/14/15	Condition:	Comments or Notes:
of: O'Brien & Gere	Time 1440	of: Pace	Time 1440		**Analyze and report in accordance with Dewey Loeffel QAPP, (ARCADIS, December 2013). 21 calendar day TAT for Lvl 4 Pkg (PDF) and EQuIS 4-file EDD**
Relinquished by:	Date	Received by:	Date	Custody Seals intact? Y N (NA)	
of:	Time	of:	Time		
Relinquished by:	Date	Received by:	Date	Cooler Temperature: 2.7°C	
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 2015 Low-Flow Sampling Forms

Low Flow Groundwater Sampling Log

Well ID: OMW-101
Northing: 1358704.59
Easting: 744744.95

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: J. Thomson, R. Horning
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Turbidity Meter | Date: 10/26/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ±40's, Sunny

Well information:
Installed Depth of Well*: 62.16 ft. bmp.
Measured Depth of Well*: 62.04 ft. bmp.
Depth to Water*: 51.60 ft.
Length of Water Column (LWC): 10.44 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: gal.
Pump Intake Depth*: ~~58.35~~ ft. bmp.

Start Purge Time: 1240
Initial Observations: Color Clear Odor None Sheen/Free Product None
(RH) 61.00 ft. bmp. 10/26/15

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	53.69	9.96	8.36	629.1	-42.9	0.96	48.6	200	
5	53.61	9.96	8.72	619.9	-27.8	2.39	67.9	200	
10	53.82	9.96	8.93	579.8	12.0	2.59	15.3	400	
15	54.35	9.96	8.91	588.0	31.3	2.89	9.4	250	
20	54.60	9.97	8.64	598.7	36.2	2.28	6.0	250	
25	54.82	9.96	8.37	608.4	17.9	1.48	4.6	250	
30	55.15	9.96	8.19	614.0	-51.8	1.02	3.0	250	
35	55.32	9.91	8.10	619.2	-88.2	0.75	2.0	225	
40	55.53	9.96	8.02	625.7	-102.0	0.57	2.5	225	
45	55.82	9.96	8.02	635.4	-115.2	0.50	2.7	200	
50	56.10	9.98	7.99	646.0	-119.4	0.46	4.6	200	
53	56.25	9.96	7.97	648.9	-121.5	0.45	4.9	200	
56	56.38	9.98	7.96	652.1	-122.6	0.45	4.8	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1336
Total volume of groundwater purged: ~4.5 gal.
DO Titrataion = NM mg/L

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

Sample ID: MW-OBV-OMW-101-10262015 Sample Time: 1345

Analytical Parameters: TCL VOCs EPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster

Notes: Smartroll WQ Meter: FA01138
Lamotte 2020we Turbidity Meter: FA00111

Low Flow Groundwater Sampling Log

Well ID: OMW-102
Northing: 1359716.51
Easting: 744738.33

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Hornung
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Turbidity Meter | Date: 10/26/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ~40's, Partly Cloudy

Well information:
Installed Depth of Well*: 78.04 ft. bmp.
Measured Depth of Well*: 77.96 ft. bmp.
Depth to Water*: 53.26 ft.
Length of Water Column (LWC): 24.70 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*: 72.99 ft. bmp.

Start Purge Time: 0925
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 (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	53.71	10.04	6.70	359.5	-70.3	1.11	24.3	400	
5	54.30	9.99	7.35	345.9	-198.4	0.19	18.5	350	
10	54.71	10.06	7.93	347.4	-247.0	0.04	13.4	250	
15	54.99	10.06	8.03	348.8	-256.6	0.03	13.3	200	
20	55.32	10.11	8.09	348.0	-269.6	0.02	10.9	200	
25	55.60	10.24	8.13	348.2	-278.1	0.01	10.6	200	
30	55.90	10.24	8.14	351.8	-281.3	0.01	9.8	200	
35	56.21	10.15	8.15	351.2	-284.9	0.00	9.0	210	
40	56.48	10.15	8.15	351.4	-286.5	0.00	8.2	205	
45	56.76	10.17	8.16	350.9	-288.2	0.00	7.4	200	
50	57.00	10.17	8.17	349.5	-289.6	0.00	7.8	200	
55	57.30	10.20	8.17	346.8	-290.5	0.00	9.0	200	
60	57.50	10.24	8.17	346.5	-290.4	0.00	9.1	200	
65	57.71	10.24	8.17	347.3	-291.1	0.00	8.6	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1030
Total volume of groundwater purged: ~3.0 gal.
DO Titrataion = NM mg/L

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

Sample ID: MW-B - OMW-102-10262015 **Sample Time:** 1040

Analytical Parameters: TCL VOCs EPA Method 8260c, low-level 1,4-dioxane EPA Method 8270D SIM, PCB, Phenolic Compounds EPA Method 8270D

Container Size	Container Type	# Collected	Field Filtered?	Preservative 10/26/15	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes: Smartroll WQ Meter: FA01138
Lamotte 2020we turbidity Meter: FA00111

Low Flow Groundwater Sampling Log

Well ID: OMW-103
Northing: 1358344.34
Easting: 745303.47

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Hovnanian
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Turbidity Meter | Date: 10/23/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ±40's, Sunny

Well information:
Installed Depth of Well*: 21.82 ft. bmp.
Measured Depth of Well*: 21.76 ft. bmp.
Depth to Water*: 9.20 ft.
Length of Water Column (LWC): 12.56 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: gal.
Pump Intake Depth*: 18.66 ft. bmp.

Start Purge Time: 1055
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 (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	NM	9.02	6.73	190.8	-30.1	3.75	NM	NM	
25	9.77	10.57	6.95	70.2	-14.8	0.03	5.7	200	
30	9.84	10.82	6.82	79.2	18.5	0.08	6.0	200	
35	10.08	11.03	6.61	63.2	60.1	0.42	5.9	200	
40	10.26	11.08	6.54	62.5	53.0	0.54	6.8	200	
45	10.35	11.22	6.42	~~75.5~~ 58.4	76.9	0.69	6.0	200	
50	10.41	11.41	6.36	10/23/15 59.2	77.4	0.94	5.4	200	
55	10.47	11.46	6.34	59.1	76.5	1.09	5.9	200	
60	10.52	11.49	6.33	60.5	76.7	1.00	6.3	200	
65	10.59	11.44	6.34	60.7	75.0	1.11	6.3	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1200
Total volume of groundwater purged: ~2.5 gal.
DO Titrataion = NM mg/L
Final Observations: Color Clear Odor None Sheen/Free Product None

Sample ID: MW-B-OMW-103-10232015 Sample Time: 1210

Analytical Parameters: TCL VOCs EPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster

Notes: Smartroll WQ Meter: FA01138
Lamotte 2020we Turbidity Meter:
- Troubleshoot pump from 1055 until 1120. Continue purging at 1120.

Low Flow Groundwater Sampling Log

Well ID: OMW-107
Northing: 1359388.76
Easting: 744607.70

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Horning
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Lamotte Turbidity Meter | Date: 10/20/15
Project #: 60994.200.016 | Pump/Controller ID#: FA01120 | Weather: ± 50's, Cloudy

Well information:
Installed Depth of Well*: 19.29 ft. bmp.
Measured Depth of Well*: 19.16 ft. bmp.
Depth to Water*: 4.70 ft.
Length of Water Column (LWC): 14.46 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: _____ gal.
Pump Intake Depth*: 13.89 ft. bmp.

Start Purge Time: 1100
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 ( )
0	4.99	14.22	6.64	259.0	8.7	0.13	2.3	350	
20	4.99	14.24	6.65	259.5	7.4	0.06	2.4	350	
25	4.97	14.24	6.65	260.9	3.6	0.02	2.0	350	
30	4.99	14.29	6.64	260.6	2.4	0.00	1.6	350	
35	4.99	14.29	6.64	261.1	1.3	0.00	1.5	350	
40	4.99	14.29	6.63	261.5	0.2	0.00	1.3	350	
45	4.99	14.29	6.63	261.3	-0.3	0.00	1.2	350	
50	5.01	14.29	6.63	261.6	-1.1	0.00	1.1	350	
55	4.88	14.31	6.63	261.8	-2.2	0.00	1.0	350	
60	4.90	14.33	6.63	261.7	-1.9	0.00	0.9	350	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1200
Total volume of groundwater purged: ~6.0 gal.
DO Titrataion = NM mg/L
Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Sample ID: MW-OVB-OMW-107-10202015 **Sample Time:** 1210

Analytical Parameters: TCL VOCs EPA Method 8260C, low-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes: Smartroll WQ Meter ID: FA01138
Lamotte 2020 we turbidity meter ID: FA00111
PID = 0.0 ppm

Low Flow Groundwater Sampling Log

Well ID: OMW-108
Northing: 1359389.71
Easting: 744617.30

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT
Site Location: Nassau, NY | Equipment Used: Smart troll, turbidity | Date: 10/20/15
Project #: 60994.200.016 | Pump/Controller ID#: FA002619 | Weather: ± 50, cloudy

Well information:

Installed Depth of Well*:	62.46	ft. bmp.
Measured Depth of Well*:	63.70	ft. bmp.
Depth to Water*:	29.54	ft.
Length of Water Column (LWC):	34.16	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*: 58.30 ft. bmp.

Start Purge Time: ~~0950~~ 1050
Initial Observations: Color clear (10/20/15) 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	30.80	10.43	7.90	562.4	67.6	0.25	12.5	300	
5	31.88	10.34	8.28	563.0	46.1	0.12	10.92	300	
10	32.85	10.33	8.43	562.3	41.3	0.08	10.74	300	
15	34.34	10.34	8.52	562.8	42.6	0.06	9.01	300	
20	35.40	10.34	8.55	562.5	39.3	0.05	8.13	300	
25	36.44	10.34	8.59	562.3	38.8	0.04	8.45	300	
30	37.50	10.32	8.61	562.8	39.2	0.04	8.04	300	
35	37.98	10.72	8.63	567.1	38.7	0.17	8.10	200	
40	38.50	10.50	8.66	562.6	38.4	0.06	7.97	200	
45	39.05	10.49	8.68	562.8	36.7	0.05	7.87	200	
50	39.25	10.50	8.68	562.7	37.3	0.05	7.89	200	
55	39.43	10.48	8.70	562.9	35.7	0.05	7.63	200	
60	39.60	10.48	8.70	562.8	36.1	0.05	7.84	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1150
Total volume of groundwater purged: 7 gal.
DO Titrataion = NA mg/L

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

Sample ID: MW-B-OMW-108-10202015 **Sample Time:** 1155

Analytical Parameters: TCL VOCs EPA Method 8260C, ion-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes: Turbidity Meter: FA00413
Smart troll: FA001137
PID = 0.0 ppm

Low Flow Groundwater Sampling Log

Well ID: OMW-201
Northing: 1358723.38
Easting: 744769.74

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT
Site Location: Nassau, NY | Equipment Used: turbidity meter, smart troll | Date: 10/26/15
Project #: 60994.200.016 | Pump/Controller ID#: FA0046 19 | Weather: 40s, partly cloudy

Well information:

Installed Depth of Well*: 108.21 ft. bmp.
Measured Depth of Well*: 108.40 ft. bmp.
Depth to Water*: 43.28 ft.
Length of Water Column (LWC): 65.12 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*: 98.21 ft. bmp.

Start Purge Time: 0915
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 ( )
0	43.35	9.83	7.37	1694.3	-64.9	0.22	15.1	220	
5	44.00	10.01	7.27	1684.8	-126.1	0.07	13.6	220	
10	44.23	10.06	7.29	1684.2	-142.9	0.22	13.0	220	
15	44.40	10.06	7.32	1682.7	-151.5	0.11	11.89	220	
20	44.82	10.10	7.38	1684.9	-157.9	0.09	10.82	220	
25	45.03	10.11	7.40	1685.3	-158.6	0.32	10.61	220	
30	45.17	10.11	7.43	1684.9	-166.5	0.04	8.90	220	
35	45.30	10.15	7.46	1684.8	-173.3	0.01	8.18	220	
40	45.42	10.16	7.49	1684.1	-175.9	0.02	9.53	220	
45	45.59	10.20	7.49	1685.0	-174.6	0.01	8.16	220	
50	45.70	10.19	7.52	1684.8	-172.8	0.01	7.92	220	
55	45.81	10.25	7.52	1684.4	-172.5	0.00	7.46	220	
60	45.96	10.28	7.53	1684.4	-172.4	0.00	7.24	220	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1015
Total volume of groundwater purged: 6 gal.
DO Titrataion = NM mg/L

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

Sample ID: ~~GW~~ MW-B-OMW-201-10262015 (RH) 10/26/15
Sample Time: 1020

Analytical Parameters: TCL VOCs EPA Method 8260C, low-level 1,4-dioxane EPA Method 8270D SIM, Phenolic Compounds EPA Method 8270D

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	2	No	None	Eurofins Lancaster
1 L	Amber Glass	3	No	None	Eurofins Lancaster

Notes:
(RH) 10/26/15
Collect DUP-003 (phenolics) and 1,4-dioxane MS/MSD
~~MW GW~~-B-OMW-201-10262015-MS
MW GW-B-OMW-201-10262015-MSD
DUP-003-10262015
Smart troll: FA0077
Turbidity meter: FA0043

Low Flow Groundwater Sampling Log

Well ID: OMW-202
Northing: 1358322.73
Easting: 744537.98

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT
Site Location: Nassau, NY | Equipment Used: Smart troll, turbidity | Date: 10/21/2015
Project #: 60994.200.016 | Pump/Controller ID#: FA00619 | Weather: ± 50s, cloudy

Well information:
Installed Depth of Well*: 114.37 ft. bmp.
Measured Depth of Well*: 113.24 ft. bmp.
Depth to Water*: 83.68 ft.
Length of Water Column (LWC): 29.56 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*: 109.35 ft. bmp.

Start Purge Time: 0850
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 ( )
0	85.40	10.99	7.86	455.3	84.5	0.92	7.07	220	
5	85.02	9.92	8.32	451.3	-11.7	0.12	4.01	220	
10	85.21	9.92	8.41	452.1	-23.8	0.10	3.92	220	
15	85.42	9.92	8.53	462.2	-82.2	0.08	6.48	220	
20	85.26	10.06	8.46	565.1	-114.3	0.11	6.86	200	
25	85.33	10.07	8.36	576.8	-103.8	0.18	4.50	200	
30	85.26	10.10	8.32	577.6	-100.3	0.18	5.62	200	
35	85.35	10.11	8.25	578.5	-97.1	0.17	5.20	200	
40	85.29	10.11	8.28	578.8	-96.0	0.17	5.17	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: ~~0830~~ 0930 (JT) 10/21/2015 DO Titrataion = NM mg/L
Total volume of groundwater purged: 6 gal.

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

Sample ID: MW-B-OMW-202-10212015 DUP-002-10212015 **Sample Time:** ~~0835~~ 0935 (JT) 10/21/2015

Analytical Parameters: TCL VOCs EPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	6	No	HCL	Eurofins Lancaster

Notes:
Collect DUP-002 (VOCs)
Turbidity meter: FA00413
Smart troll: FA01137

Low Flow Groundwater Sampling Log

Well ID: OMW-204
Northing: 1358478.09
Easting: 745021.61

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Harvey, J. Thomson
Site Location: Nassau, NY | Equipment Used: Not Applicable | Date: 10/26/15
Project #: 60994.200.016 | Pump/Controller ID#: Not Applicable | Weather: ~40's, Sunny

Well information:

Installed Depth of Well*: 70.82 ft. bmp.
Measured Depth of Well*: 56.22 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: ____ gal.
Pump Intake Depth*: 51.20 ft. bmp.

Start Purge Time: ____

Initial Observations: *Color* ____ *Odor* ____ *Sheen/Free Product* ____

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: ____ DO Titrataion = ____ mg/L

Total volume of groundwater purged: ____ gal.

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

Sample ID: ____ **Sample Time:** ____

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes: well measured dry and has formation collapse at or above the open bedrock interval. Well not sampled.

Low Flow Groundwater Sampling Log

Well ID: OMW-205
Northing: 135819 8.29
Easting: 745186.86

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT, RDH
Site Location: Nassau, NY | Equipment Used: Turbidity meter, smart troll | Date: 10/21/2015
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ±60s, cloudy

Well information:
Installed Depth of Well*: 55.37 ft. bmp.
Measured Depth of Well*: 51.03 ft. bmp.
Depth to Water*: 31.70 ft.
Length of Water Column (LWC): 19.33 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*: 44.15 ft. bmp.

Start Purge Time: 1435
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 ( )
0	32.43	10.35	7.96	428.6	-129.5	0.62	20.0	220	
5	33.41	9.78	7.81	438.3	-139.5	0.10	7.57	220	
10	33.72	9.77	7.79	428.3	-154.0	0.08	5.80	220	
15	34.80	9.77	7.77	384.8	-205.7	0.06	3.43	220	
20	35.01	9.78	7.81	379.9	-216.2	0.04	3.02	220	
25	35.47	9.78	7.84	383.2	-217.0	0.02	2.99	220	
30	35.89	9.73	7.84	385.8	-213.8	0.02	3.04	220	
35	36.00	9.71	7.84	390.4	-211.3	0.02	3.30	220	
40	36.12	9.69	7.84	400.6	-205.5	0.00	3.16	220	
45	36.28	9.68	7.85	401.0	-203.8	0.00	3.20	220	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1520
DO Titrataion = NM mg/L
Total volume of groundwater purged: 6 gal.
Final Observations: *Color* slightly yellow *Odor* none *Sheen/Free Product* none

Sample ID: MW-B-OMW-205-10212015 **Sample Time:** 1525

Analytical Parameters: TCL VOCs EPA Method 8260C, low-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	6	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes:
Collect DUP-001 (VOCs)
DUP-001-10212015
Smartroll WQ Meter: FA01137
Lamotte 2020 we Turbidity Meter: FA00413

Low Flow Groundwater Sampling Log

Well ID: OMW-206
Northing: 1359335.56
Easting: 744059.72

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Turbidity Meter | Date: 10/20/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00619 | Weather: ±60, partly cloudy

Well information:
Installed Depth of Well*: 123.23 ft. bmp.
Measured Depth of Well*: 123.37 ft. bmp.
Depth to Water*: 20.60 ft.
Length of Water Column (LWC): 102.77 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*: 114.80 ft. bmp.

Start Purge Time: 1430
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 ( )
0	21.02	10.89	8.55	189.4	-128.6	0.31	17.0	220	
5	23.90	10.88	8.54	186.1	-132.0	0.28	15.6	220	
10	26.98	10.86	8.54	180.7	-138.4	0.20	15.2	220	
15	27.52	10.85	8.53	173.6	-147.0	0.16	14.7	220	
20	28.12	10.94	8.55	173.6	-156.1	0.14	8.95	220	
25	28.32	10.99	8.57	177.7	-157.1	0.13	8.94	220	
30	28.63	11.09	8.56	185.1	-165.1	0.12	9.00	200	
35	28.87	11.00	8.57	188.4	-173.3	0.10	8.49	200	
40	29.39	10.95	8.57	197.2	-183.7	0.11	8.00	200	
45	29.56	10.95	8.55	199.0	-183.0	0.10	7.16	200	
50	29.79	11.04	8.53	209.4	-178.1	0.10	13.4	200	
55	29.87	10.99	8.54	208.6	-186.1	0.10	13.2	200	
60	29.99	11.04	8.54	208.1	-185.2	0.10	13.5	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1530
DO Titrataion = NM mg/L
Total volume of groundwater purged: 7 gal.

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

Sample ID: MW-B-OMW-206-10202015 **Sample Time:** 1535

Analytical Parameters: TCL VOCs EPA Method 8260C, low-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes: Lamotte 2020we turbidity Meter: FA00413
Smartroll WQ Meter: FA001137
PID = 0.0ppm

Low Flow Groundwater Sampling Log

Well ID: OMW-211
Northing: 1358402.43
Easting: 745011.40

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Horning, J. Thomson
Site Location: Nassau, NY | Equipment Used: Not Applicable | Date: 10/26/15
Project #: 60994.200.016 | Pump/Controller ID#: Not Applicable | Weather: ~40's, Sunny

Well information:

Installed Depth of Well*: 52.87 ft. bmp.
Measured Depth of Well*: 50.97 ft. bmp.
Depth to Water*: Dry ft.
Length of Water Column (LWC): — 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: _____ gal.
Pump Intake Depth*: 50.38 ft. bmp.

Start Purge Time: _____
Initial Observations: *Color* _____ *Odor* _____ *Sheen/Free Product* _____

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: _____ DO Titrataion = _____ mg/L
Total volume of groundwater purged: _____ gal.
Final Observations: *Color* _____ *Odor* _____ *Sheen/Free Product* _____

Sample ID: _____ **Sample Time:** _____

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster

Notes: - Air line tubing fitting on pump is broken. Line needs new fitting. Well measured dry. Well not sampled.

Low Flow Groundwater Sampling Log

Well ID: OMW-212
Northing: 1358574.72
Easting: 744210.33

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Hornung
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Turbidity Meter | Date: 10/21/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ±50's, Showers

Well information:

Installed Depth of Well*:	126.26	ft. bmp.
Measured Depth of Well*:	125.42	ft. bmp.
Depth to Water*:	65.50	ft.
Length of Water Column (LWC):	59.92	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*: 118.67 ft. bmp.

Start Purge Time: 1150
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 (mS/cm)	ORP (mV)	Dissolved Oxygen* (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	65.98	13.88	8.60	364.2	50.3	1.44	3.6	200	
5	66.25	11.66	9.74	238.8	-29.1	1.00	4.2	200	
10	66.55	11.34	10.11	218.5	-33.9	0.80	3.3	200	
15	66.81	11.19	10.33	212.2	-35.3	0.60	3.6	200	
20	67.08	11.21	10.38	210.5	-39.9	0.45	3.5	200	
25	67.29	10.99	10.41	210.5	-35.1	0.38	3.5	200	
30	67.60	10.90	10.43	210.1	-36.0	0.36	3.4	200	
35	67.83	10.89	10.45	208.0	-34.9	0.42	3.2	200	
38	67.91	10.85	10.45	205.9	-34.5	0.51	3.0	200	
41	68.06	10.85	10.46	201.6	-34.0	1.80*	3.1	200	
44	68.15	10.82	10.45	185.2	-33.4	7.73*	3.2	200	
47	68.26	10.81	10.46	181.9	-33.2	8.44*	3.1	200	
50	68.40	10.80	10.46	172.7	-33.0	9.83*	3.2	200	
53	68.53	10.80	10.46	170.5	-32.6	10.29*	3.3	200	
56	68.61	10.85	10.45	~~168.8~~ 165.2 (RH) 10/21/15	-31.5	10.36*	3.4	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1246
DO Titrataion = NM mg/L
Total volume of groundwater purged: ~3.0 gal.
Final Observations: *Color* None *Odor* None *Sheen/Free Product* None

Sample ID: See notes for sample IDs **Sample Time:** 1300

Analytical Parameters: TCL VOCs EPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	9	No	HCL	Eurofins Lancaster

Notes:
Collect VOCs MS/MSD
Smartroll WQ Meter: FA01138
Lamotte 2020we Turbidity Meter: FA00111

MW-B-OMW-212-10212015
MW-B-OMW-212-10212015-MS
MW-B-OMW-212-10212015-MSD

* Denotes air bubbles being introduced into sample line during purging.

Low Flow Groundwater Sampling Log

Well ID: OMW-213
Northing: 135820.5.98
Easting: 744749.50

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Hornung
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter + Turbidity Meter | Date: 10/22/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ± 40's, Sunny

Well information:
Installed Depth of Well*: 85.27 ft. bmp.
Measured Depth of Well*: 84.9 ft. bmp.
Depth to Water*: 83.74 ft.
Length of Water Column (LWC): 1.16 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*: 74.07 ft. bmp.

Start Purge Time: 1000
Initial Observations: *Color* Brown *Odor* None *Sheen/Free Product* None

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other (____)
0	NM	NM	NM	NM	NM	NM	NM	NM	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: _____
DO Titrataion = _____ mg/L
Total volume of groundwater purged: _____ gal.
Final Observations: *Color* _____ *Odor* _____ *Sheen/Free Product* _____

Sample ID: _____ **Sample Time:** _____

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster

Notes: – Unable to purge water from well using low-flow sampling procedure. Obtained flow rates of 50 to 100 ml per minute. Not enough water in well to operate pump and collect groundwater samples. Well not sampled.

Low Flow Groundwater Sampling Log

Well ID: OMW-214
Northing: 1357690.37
Easting: 745316.74

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT
Site Location: Nassau, NY | Equipment Used: Turbidity, smart troll | Date: 10/23/15
Project #: 60994.200.016 | Pump/Controller ID#: FA0061 9 | Weather: ~40s, partly sunny

Well information:
Installed Depth of Well*: 110.3 ft. bmp.
Measured Depth of Well*: 91.1 ft. bmp.
Depth to Water*: 40.75 ft.
Length of Water Column (LWC): 50.35 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*: 96.44 ft. bmp.

Start Purge Time: 0850
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	42.17	8.95	9.02	561.2	-42.2	0.96	25.4	200	
5	42.28	9.17	9.76	593.1	-35.5	1.00	25.8	200	
10	42.50	9.25	10.21	605.3	-35.4	0.70	26.1	200	
15	42.64	9.31	10.42	603.0	-31.9	0.61	26.8	200	
20	42.81	9.40	10.55	601.3	-24.9	0.74	28.2	200	
25	43.02	9.31	10.69	602.5	-29.4	0.72	27.1	200	
30	43.17	9.35	10.74	603.3	-31.0	0.69	27.1	200	
35	43.30	9.35	10.74	604.5	-32.7	0.70	23.6	200	
40	43.43	9.31	10.83	603.9	-47.0	0.74	24.5	200	
45	43.59	9.31	10.84	604.6	-42.1	0.75	24.0	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1035
DO Titrataion = NM mg/L
Total volume of groundwater purged: 4 gal.
Final Observations: *Color* slightly grey *Odor* none *Sheen/Free Product* none

Sample ID: MW-B-OMW-214-10232015 **Sample Time:** 1040

Analytical Parameters: TCL VOCs EPA Method 8260c, low-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes: Smart troll: FA01137
Turbidity meter: FA00413

Low Flow Groundwater Sampling Log

Well ID: OMW-215
Northing: 1358321.97
Easting: 744513.54

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT
Site Location: Nassau, NY | Equipment Used: Smart troll turbidity meter | Date: 10/21/2015
Project #: 60994.200.016 | Pump/Controller ID#: FA00619 | Weather: ± 50s, cloudy

Well information:

Installed Depth of Well*:	243.5	ft. bmp.
Measured Depth of Well*:	242.48	ft. bmp.
Depth to Water*:	78.27	ft.
Length of Water Column (LWC):	164.21	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: ____ gal.
Pump Intake Depth*: 224.97 ft. bmp.

Start Purge Time: ~~10:45~~ 1115 (JT) 10/21/2015
Initial Observations: Color ~~clear~~ Gray 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 ( )
0	78.27	11.36	8.23	708.1	-77.1	4.59	—*	200	
5	78.64	12.75	8.91	693.3	-82.1	0.44	—*	200	
10	78.91	12.11	8.99	648.3	-58.7	0.80	—*	200	
15	79.14	11.69	9.09	654.7	-56.8	0.15	41.4	200	
20	79.26	11.13	9.22	659.1	-67.4	0.07	22.3	200	
25	79.40	11.13	9.23	659.4	-59.7	0.08	19.3	200	
30	79.51	11.11	9.25	659.0	-56.3	0.10	14.2	200	
35	79.64	11.11	9.26	658.8	-61.5	0.13	13.8	200	
40	79.79	10.99	9.29	659.2	-57.1	0.14	9.78	200	
45	79.92	11.04	9.31	659.2	-56.0	0.13	9.00	200	
50	80.06	11.04	9.29	659.1	-55.7	0.13	9.13	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1205
Total volume of groundwater purged: 5 gal.
DO Titrataion = NM mg/L

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

Sample ID: MW-B-OMW-215-10212015, DUP-004-10212015, Sample Time: 1215

Analytical Parameters: MW-B-OMW-215-10212015-MS, MW-B-OMW-215-10212015-MSD — See analytical parameters in notes

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	3	No	None	Eurofins Lancaster
1 L	Amber Glass	2	No	None	Eurofins Lancaster

Notes:
Collect DUP-004 (1,4-dioxane) and phenolics MS/MSD
Smart troll: FA01137
Turbidity meter: ~~FA0413~~ (AH) 10/21/15 FA04413
* beyond range

- TCL VOCs EPA Method 8260C
- low-level 1,4-dioxane EPA Method 8270D SIM
- Phenolic Compounds EPA Method 8270D

Low Flow Groundwater Sampling Log

Well ID: OMW-216
Northing: 1357640.69
Easting: 745327.80

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT
Site Location: Nassau, NY | Equipment Used: Turbidity, smart troll | Date: 10/23/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00619 | Weather: 50s, cloudy

Well information:
Installed Depth of Well*: 171.54 ft. bmp.
Measured Depth of Well*: 172.66 ft. bmp.
Depth to Water*: 49.01 ft.
Length of Water Column (LWC): 123.65 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*: 138.65 ft. bmp.

Start Purge Time: 1150
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 (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	49.55	9.45	9.81	508.0	-161.0	0.33	3.46	220	
5	50.14	9.50	9.42	524.8	-139.0	0.17	5.78	220	
10	50.53	9.49	9.18	523.9	-130.6	0.13	5.44	220	
15	50.98	9.54	8.90	523.9	-125.0	0.11	4.33	220	
20	51.42	9.54	8.69	523.5	-121.7	0.10	3.68	220	
25	51.91	9.54	8.47	522.8	-119.5	0.09	2.73	220	
30	52.29	9.62	8.33	521.8	-118.9	0.08	2.22	220	
35	52.55	9.72	8.22	520.1	-117.3	0.07	2.20	220	
40	52.94	9.68	8.12	518.5	-116.9	0.07	2.07	220	
45	53.27	9.59	8.06	517.2	-116.1	0.06	1.89	220	
50	53.54	9.60	8.00	516.8	-116.0	0.06	1.79	220	
55	53.79	9.62	7.97	515.0	-115.1	0.06	1.77	220	
60	54.00	9.60	7.93	515.3	-116.3	0.07	2.32	220	
65	54.11	9.59	7.94	515.7	-115.4	0.06	2.04	220	
70	54.29	9.59	7.88	509.7	-115.8	0.06	2.20	220	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1300
Total volume of groundwater purged: 7 gal.
DO Titrataion = NM mg/L
Final Observations: Color clear Odor none Sheen/Free Product none

Sample ID: MW-B-OMW-216-10232015 **Sample Time:** 1305

Analytical Parameters: TCL VOCs EPA Method 8260C, low-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	9	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes:
Collect VOCs MS/MSD
Turbidity meter: FA00413
Smart troll: FA01137
MW-B-OMW-216-10232015-MS
MW-B-OMW-216-10232015-MSD

Low Flow Groundwater Sampling Log

Well ID: OMW-218
Northing: 1358581.26
Easting: 744234.92

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Hornung
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Turbidity Meter | Date: 10/21/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ± 50's, Cloudy

Well information:
Installed Depth of Well*: 256.47 ft. bmp.
Measured Depth of Well*: 254.94 ft. bmp.
Depth to Water*: 64.70 ft.
Length of Water Column (LWC): 190.24 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: gal.
Pump Intake Depth*: 248.20 ft. bmp.

Start Purge Time: 0920
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	64.84	13.42	8.12	445.6	72.5	6.59	2.8	100	
5	64.95	11.92	9.44	452.7	-60.1	0.71	12.1	100	
10	64.97	11.59	9.53	451.7	-78.0	0.32	10.2	200	
15	64.91	11.23	9.57	450.3	-47.7	0.17	11.7	200	
20	64.97	11.17	9.52	442.7	-25.9	0.13	8.2	200	
25	64.96	11.11	9.52	441.4	-11.8	0.11	5.0	200	
30	64.98	11.08	9.52	440.6	-3.9	0.10	3.9	200	
35	65.00	11.08	9.51	438.2	1.9	0.09	3.2	200	
40	64.99	11.13	9.51	436.3	6.0	0.08	3.0	200	
45	64.98	11.08	9.51	436.2	8.9	0.08	2.2	200	
50	64.98	11.04	9.51	436.0	11.0	0.07	2.1	200	
53	65.00	11.04	9.51	435.9	11.8	0.07	2.0	200	
56	65.02	11.09	9.51	435.8	12.5	0.07	1.9	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1016
Total volume of groundwater purged: ~3.0 gal.
DO Titrataion = NM mg/L
Final Observations: *Color* Clear *Odor* None *Sheen/Free Product* None

Sample ID: MW-B-OMW-218-10212015 **Sample Time:** 1030

Analytical Parameters: TCL VOCs EPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster

Notes: Smartroll WQ Meter: FA01138
Lamotte 2020we Turbidity Meter: FA00111

Low Flow Groundwater Sampling Log

Well ID: OMW-219
Northing: 1358221.11
Easting: 744773.90

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Hoyman, J. Thomson
Site Location: Nassau, NY | Equipment Used: Not Applicable | Date: 10/26/15
Project #: 60994.200.016 | Pump/Controller ID#: Not Applicable | Weather: ±40's, Sunny

Well information:
Installed Depth of Well*: 268.18 ft. bmp.
Measured Depth of Well*: 71.61 ft. bmp.
Depth to Water*: 71.20 ft.
Length of Water Column (LWC): 196.98 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: _____ gal.
Pump Intake Depth*: 247.18 ft. bmp.

Start Purge Time: _____
Initial Observations: *Color* _____ *Odor* _____ *Sheen/Free Product* _____

indicate units

Elapsed Time (minutes)	Depth to Water (ft bmp)	Temperature (Celsius)	pH (SU)	Specific Conductivity ( )	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: _____ DO Titrataion = _____ mg/L
Total volume of groundwater purged: _____ gal.
Final Observations: *Color* _____ *Odor* _____ *Sheen/Free Product* _____

Sample ID: _____ **Sample Time:** _____

Analytical Parameters:

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster
			(RH) 11/30/15		

Notes: - well is damaged. Total depth of well ~~installed~~ is measured to be 196.57 feet shorter than installed total depth. Well not sampled.

Low Flow Groundwater Sampling Log

Well ID: OMW-220
Northing: 1359417.52
Easting: 744914.00

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: IAT
Site Location: Nassau, NY | Equipment Used: Smart troll, turbidity meter | Date: ~~10/20/15~~ 10/21/15 (JT)
Project #: 60994.200.016 | Pump/Controller ID#: FA006619 | Weather: ~~± 60s, sunny~~ cloudy rain

Well information:
Installed Depth of Well*: 192.01 ft. bmp.
Measured Depth of Well*: 196.35 ft. bmp.
Depth to Water*: 40.44 | 39.82 ft (JT) 10/22/15
Length of Water Column (LWC): 156.53 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*: 165.68 ft. bmp.

Start Purge Time: 0900
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	40.22	10.62	8.24	288.0	53.4	0.30	4.06	200	
5	40.41	10.27	8.34	286.5	28.0	0.18	5.25	200	
10	40.62	10.18	8.73	284.1	10.0	0.11	5.01	200	
15	40.87	10.20	8.95	283.6	6.8	0.09	5.08	200	
20	41.01	10.24	8.97	283.2	2.1	0.07	5.35	200	
25	41.13	10.24	9.04	282.9	1.2	0.05	6.17	200	
30	41.20	10.22	9.11	282.8	-2.0	0.05	5.93	200	
35	41.24	10.25	9.11	283.0	-12.9	0.04	5.93	206	
40	41.24	10.29	9.16	282.7	-4.2	0.04	5.49	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 0940
Total volume of groundwater purged: 4.5 gal.
DO Titrataion = NM mg/L

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

Sample ID: MW-R-OMW-220-10222015 **Sample Time:** 0945

Analytical Parameters: TCL VOCs EPA Method 8260c

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster

Notes: Smart troll: FA07137
Turbidity meter: FA00413

Low Flow Groundwater Sampling Log

Well ID: OMW-221
Northing: 1356144.67
Easting: 745353.34

Site Name: Dewey Loeffel Landfill | Sampling Method: Not Applicable Artesian well | Field Personnel: R. Hornung
Site Location: Nassau, NY | Equipment Used: Not Applicable Artesian well | Date: 10/22/15
Project #: 60994.200.016 | Pump/Controller ID#: Not Applicable Artesian well | Weather: ± 60's, Cloudy

Well information:
Installed Depth of Well*: 143.22 ft. bmp.
Measured Depth of Well*: 142.22 ft. bmp.
Depth to Water*: 35 inches H2O ft. (ZH) 10/22/15
Length of Water Column (LWC): 142.22 ~~in.~~ ft.
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: 23.34 gal.
Pump Intake Depth*: ~~113.22~~ ft. bmp.

(ZH) 10/22/15

Start Purge Time: 1020
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 (MS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	NA	11.94	7.22	418.5	-27.2	0.02	1.9	500	
5	NA	10.57	7.69	432.4	-80.8	0.00	2.0	300	
10	NA	10.76	7.85	430.3	-84.8	0.00	1.9	300	
15	NA	10.80	7.89	430.8	-87.6	0.00	1.8	300	
20	NA	10.81	7.91	430.9	-86.1	0.00	1.9	300	
25	NA	10.94	7.93	430.6	-84.0	0.00	2.0	300	
30	NA	11.01	7.93	430.4	-81.8	0.00	2.2	300	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1050
Total volume of groundwater purged: ~ 26.0 gal.
DO Titrataion = NM mg/L

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

Sample ID: MW-B-OMW-221-10222015 **Sample Time:** 1100

Analytical Parameters: TCL VOCs EPA Method 8260C, low-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes:
WELL IS ARTESIAN - PURGE 1 WELL VOLUME FIRST
Smartroll WQ Meter: FA01138
Lamotte 2020we Turbidity Meter: FA00111

Low Flow Groundwater Sampling Log

Well ID: OMW-222
Northing: 1355335.50
Easting: 744581.30

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: JAT
Site Location: Nassau, NY | Equipment Used: Turbidity & smart troll | Date: 10/22/15
Project #: 60994.200.016 | Pump/Controller ID#: FA006619 | Weather: ± 50, Cloudy

Well information:
Installed Depth of Well*: 215.47 ft. bmp.
Measured Depth of Well*: 208.51 ft. bmp.
Depth to Water*: 26.79 ft.
Length of Water Column (LWC): 181.72 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: gal.
Pump Intake Depth*: 202.99 ft. bmp.

Start Purge Time: 1200
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	27.26	11.76	8.59	237.4	57.2	5.89	1.08	200	
5	27.26	10.91	8.44	246.5	-10.5	2.49	4.53	200	
10	27.26	10.71	8.37	250.5	-25.9	1.28	4.51	200	
15	27.26	10.73	8.28	251.2	-25.1	1.08	0.94	200	
20	27.27	10.71	8.22	251.4	-26.2	1.04	0.81	200	
25	27.27	10.71	8.19	251.1	-23.6	1.04	0.23	200	
30	27.27	10.69	8.010	251.4	-28.4	0.82	0.17	200	
35	27.28	10.66	8.01	250.3	-21.3	0.80	0.04	200	
40	27.28	10.63	8.02	260.1	-19.1	0.83	0.02	200	
45	27.28	10.62	8.00	250.1	-15.9	0.84	0.02	200	
50	27.28	10.57	8.00	251.0	-18.9	0.79	0.02	200	
55	27.28	10.57	7.99	258.4	-17.8	0.86	0.09	200	
60	27.28	10.57	7.96	250.7	-17.2	0.75	0.03	200	
65	27.30	10.62	7.95	250.6	-20.5	0.76	0.03	200	
70	27.30	10.62	7.97	250.9	-14.9	0.75	0.03	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1310
Total volume of groundwater purged: 7 gal.
DO Titrataion = NM mg/L

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

Sample ID: MW-B-OMW-222-10222015 **Sample Time:** 1315 RH 10/22/15

Analytical Parameters: TCL VOCs EPA Method 8260C, low-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes:
Turbidity meter: FA00413
Smart troll: FA01137

Low Flow Groundwater Sampling Log

Well ID: OMW-223
Northing: 1355043.61
Easting: 743735.28

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Hornung
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Turbidity Meter | Date: 10/22/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ± 60's, Cloudy, Showers

Well information:
Installed Depth of Well*: 180.84 ft. bmp.
Measured Depth of Well*: 172.55 ft. bmp.
Depth to Water*: 11.86 ft.
Length of Water Column (LWC): 160.69 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: gal.
Pump Intake Depth*: 144.10 ft. bmp.

Start Purge Time: 1245
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 (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	11.90	14.44	8.72	419.4	41.6	1.59	0.9	300	
5	11.96	12.28	8.68	435.6	42.9	1.05	1.8	300	
10	11.96	12.15	8.68	435.7	42.4	0.64	1.5	300	
15	11.99	12.01	8.68	436.9	40.7	0.40	0.7	280	
20	12.05	11.92	8.69	436.3	37.3	0.29	0.5	280	
25	12.08	12.01	8.69	437.7	34.4	0.22	0.5	300	
30	12.00	11.96	8.70	437.2	32.7	0.19	0.5	300	
35	12.04	11.92	8.70	436.3	31.3	0.16	0.3	280	
40	12.08	11.79	8.71	436.2	30.4	0.15	0.3	290	
45	12.05	11.73	8.72	437.4	29.5	0.13	0.4	290	
50	12.09	11.78	8.72	438.0	27.3	0.12	0.3	290	
55	12.06	11.87	8.75	439.5	26.6	0.12	0.3	290	
60	12.12	11.91	8.77	440.4	26.4	0.11	0.3	290	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	200 ≤ X ≤ 500	

End Purge Time: 1345
Total volume of groundwater purged: ~5.0 gal.
DO Titrataion = NM mg/L

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

Sample ID: MW-B-OMW-223-10222015 **Sample Time:** 1400

Analytical Parameters: TCL VOCs EPA Method 8260C

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster

Notes: Smartroll WQ Meter: FA01138
Lamotte 2020we turbidity Meter: FA00111

Low Flow Groundwater Sampling Log

Well ID: OPZ-207
Northing: 1359332.63
Easting: 745542.07

Site Name: Dewey Loeffel Landfill
Site Location: Nassau, NY
Project #: 60994.200.016
Sampling Method: Bladder Pump
Equipment Used: Smartroll WQ Meter, Turbidity Meter
Pump/Controller ID#: FA00120
Field Personnel: R. Horning
Date: 10/23/15
Weather: ± 40's, Sunny

Well information:

Installed Depth of Well*: 101.29 ft. bmp.
Measured Depth of Well*: 102.58 ft. bmp.
Depth to Water*: 58.70 ft.
Length of Water Column (LWC): 43.88 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*: 93.85 ft. bmp.

Start Purge Time: 1315
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 (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	59.30	10.90	7.04	347.9	45.3	2.29	15.1	350	
5	59.72	9.98	7.70	475.4	-135.4	0.84	28.8	350	
10	60.09	9.87	9.13	379.5	-52.7	0.46	35.8	350	
15	60.33	9.71	9.62	346.0	6.6	0.58	32.6	200	
20	60.49	9.87	9.63	348.0	18.8	0.64	27.6	200	
25	60.58	9.80	9.39	386.7	19.9	0.70	23.9	200	
30	60.70	9.80	9.19	425.7	15.3	0.60	19.0	200	
35	60.86	9.76	9.12	440.2	7.3	0.57	17.0	200	
40	60.97	9.68	9.10	444.6	5.3	0.56	16.5	200	
45	61.10	9.59	9.05	455.5	-7.7	0.53	13.8	200	
50	61.22	9.64	9.03	458.3	-12.9	0.51	12.4	200	
53	61.30	9.61	9.01	461.8	-19.6	0.49	11.2	200	
56	61.36	9.59	9.01	462.2	-19.8	0.49	11.1	200	
59	61.43	9.55	9.00	463.3	-18.0	0.50	11.1	200	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1414
Total volume of groundwater purged: ~3.0 gal.
DO Titrataion = N.M mg/L

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

Sample ID: MW-B-OPZ-207-10232015 **Sample Time:** 1420

Analytical Parameters: TCL VOCs EPA Method 8260C, low-level 1,4-dioxane EPA Method 8270D SIM

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster
1 L	Amber Glass	1	No	None	Eurofins Lancaster

Notes:

Low Flow Groundwater Sampling Log

Well ID: OPZ-217
Northing: 1359331.38
Easting: 745544.43

Site Name: Dewey Loeffel Landfill | Sampling Method: Bladder Pump | Field Personnel: R. Hornung
Site Location: Nassau, NY | Equipment Used: Smartroll WQ Meter, Turbidity Meter | Date: 10/20/15
Project #: 60994.200.016 | Pump/Controller ID#: FA00120 | Weather: ±60's, Sunny

Well information:
Installed Depth of Well*: 158.84 ft. bmp.
Measured Depth of Well*: 158.74 ft. bmp.
Depth to Water*: 22.84 ft.
Length of Water Column (LWC): 135.90 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*: 140.90 ft. bmp.

Start Purge Time: 1430
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 (mS/cm)	ORP (mV)	Dissolved Oxygen (mg/l)	Turbidity (NTU)	Flow Rate (ml/min)	Other ( )
0	22.23	14.87	8.05	202.6	54.3	0.47	2.1	250	
5	22.40	11.92	7.92	318.8	-142.4	0.27	1.5	300	
10	22.96	11.22	7.69	405.2	-136.2	0.17	1.0	300	
15	23.31	11.11	7.69	407.0	-129.9	0.12	0.9	275	
20	23.60	11.36	7.68	405.9	-126.1	0.12	0.7	250	
25	23.99	11.52	7.67	403.6	-123.0	0.10	0.8	150	
30	24.25	11.78	7.67	402.3	-120.6	0.11	0.9	200	
35	24.60	11.89	7.66	400.2	-117.4	0.10	0.8	200	
40	24.90	11.87	7.65	398.4	-113.7	0.09	0.8	200	
45	25.20	11.83	7.64	397.6	-109.2	0.08	0.8	200	
50	25.50	11.73	7.63	396.6	-104.4	0.07	0.7	210	
55	25.81	11.60	7.62	396.4	-99.6	0.07	0.6	210	
60	26.10	11.56	7.61	396.0	-96.1	0.06	0.7	210	
65	26.38	11.55	7.61	395.3	-92.5	0.05	0.7	220	
70	26.68	11.55	7.60	394.3	-88.9	0.04	0.7	220	
73	26.88	11.50	7.60	394.6	-86.7	0.04	0.7	220	
76	27.10	11.45	7.60	394.3	-88.3	0.04	0.7	220	
Stabilization	Δ ≤ 0.3'	± 3%	± 0.1	± 3%	± 10 mV	± 10%	± 10%	100 ≤ X ≤ 500	

End Purge Time: 1546
Total volume of groundwater purged: ~ 5.0 gal.
DO Titrataion = NM mg/L

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

Sample ID: MW-B-OP2-217-10202015 Sample Time: 1550

Analytical Parameters: TCL VOCs EPA Method 8260C.

Container Size	Container Type	# Collected	Field Filtered?	Preservative	Laboratory
40 ml	Glass VOA	3	No	HCL	Eurofins Lancaster

Notes: Smartroll WQ Meter: FA01138
Lamotte 2020we Turbidity Meter: FA00111
PID = 0.0 ppm

Fall 2015 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:

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 2nd Semi-Annual GW Sampling

Sampler(s): Jordan Thomson & Rob Hornung

OBG Office: Albany
Address: 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 / Janet Forsell
Email: Paul.D'Annibale@obg.com / Amy.Spooner-Stevens@obg.com / Janet.Forsell@obg.com

Laboratory:
Eurofins Lancaster
2425 New Holland Pike
Lancaster, PA 17605

Eurofins PM: Megan Moeller
Phone: (717) 656-2300 x1246
Phone (cell): (717) 572-7529

Analysis Holding Time:
VOCs 14 days to analysis
1,4-dioxane/phenolic compounds: 7 days to extraction, 40 days to analysis
Full Lvl 4 w/ 28 calendar day TAT
Project Number: 60994.200.016
EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

	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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	TCL VOCs by SW-846 Method 8260C (Reporting Units: ug/L)	Low-level 1,4 dioxane by EPA Method 8270D SIM (ug/L)	Phenolic Compounds by SW-846 Method 8270D (ug/L)	Lab Sample ID
										1	0	0	
1	MW-B-OMW-108-10202015	OMW-108	10/20/15	11:55	N	WG	4	G	N	X	X		
2	MW-OVB-OMW-107-10202015	OMW-107	10/20/15	1210	N	WG	4	G	N	X	X		
3	MW-B-OMW-206-10202015	OMW-206	10/20/15	15:35	N	WG	4	G	N	X	X		
4	MW-B-OPZ-217-10202015	OPZ-217	10/20/15	15:50	N	WG	3	G	N	X			
5	GW-10202015-TB	—	10/20/15	—	TB	WQ	2	G	N	X			
6								G	N				
7								G	N				
8								G	N				
9								G	N				
10								G	N				
11								G	N				
12								G	N				

Special Instructions: Custody Seals: 526795 and 526794

Relinquished by: Rob Hornung	Date 10/20/15	Received by: Fedex	Date 10/20/15	Condition:	Comments or Notes:
of: OBG	Time 1810	of: Track # 8070 4931 7284	Time 1810		**Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015). 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQuIS 4-file EDD with USEPA Region 2 Reference Values.**
Relinquished by:	Date	Received by:	Date	Custody Seals intact? Y N	
of:	Time	of:	Time		
Relinquished by:	Date	Received by:	Date	Cooler Temperature:	
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:

Dewey Loeffel Landfill Groundwater Monitoring Program

Lab Use Only

Project Number:

Lab ID:

Job Number:

OBG Office: Albany
Address: 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 / Janet Forsell
Email: Paul.D'Annibale@obg.com / Amy.Spooner-Stevens@obg.com / Janet.Forsell@obg.com

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 2nd Semi-Annual GW Sampling

Sampler(s): Jordan Thomson & Rob Hornung

Laboratory:
Eurofins Lancaster
2425 New Holland Pike
Lancaster, PA 17605

Eurofins PM: Megan Moeller
Phone: (717) 656-2300 x1246
Phone (cell): (717) 572-7529

Analysis Holding Time:
VOCs 14 days to analysis
1,4-dioxane/phenolic compounds: 7 days to extraction, 40 days to analysis
Full Lvl 4 w/ 28 calendar day TAT
Project Number: 60994.200.016
EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

Sample Identification										Grab (G) or Composite (C)	Field Filtered? (Y / N)	1	0	0																
	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		TCL VOCs by SW-846 Method 8260C	Low-level 1,4 dioxane by EPA Method 8270D SIM	Phenolic Compounds by SW-846 Method 8270D																		Lab Sample ID
												ug/L	ug/L	ug/L																
1	MW-B-OMW-202-10212015	OMW-202	10/21/15	09:35	N	WG	3	G	N	X																				
2	MW-B-OMW-218-10212015	OMW-218	10/21/15	10:30	N	WG	3	G	N	X																				
3	MW-B-OMW-215-10212015	OMW-215	10/21/15	12:15	N	WG	5	G	N	X	X	X																		
4	MW-B-OMW-215-10212015-MS	OMW-215	10/21/15	12:15	MS	WQ	1	G	N			X																		
5	MW-B-OMW-215-10212015-MSD	OMW-215	10/21/15	12:15	MS	WQ	1	G	N			X																		
6	MW-B-OMW-212-10212015	OMW-212	10/21/15	13:00	N	WG	3	G	N	X																				
7	MW-B-OMW-212-10212015-MS	OMW-212	10/21/15	13:00	MS	WQ	3	G	N	X																				
8	MW-B-OMW-212-10212015-MSD	OMW-212	10/21/15	13:00	MS	WQ	3	G	N	X																				
9	MW-B-OMW-205-10212015	OMW-205	10/21/15	15:25	N	WG	4	G	N	X	X																			
10	DUP-001-10212015	—	10/21/15	—	FD	WQ	3	G	N	X																				
11	DUP-002-10212015	—	10/21/15	—	FD	WQ	3	G	N	X																				
12	DUP-004-10212015	—	10/21/15	—	FD	WQ	1	G	N		X																			

Special Instructions: Custody Seals: 526797 and 526796

Relinquished by: Rob Hornung	Date 10/21/15	Received by: Fedex	Date 10/21/15	Condition:	Comments or Notes:	
of: OBG	Time 1820	of: Track # 8070 4931 7230	Time 1820		Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015). 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQuIS 4-file EDD with USEPA Region 2 Reference Values.	
Relinquished by:	Date	Received by:	Date	Custody Seals intact? Y N		
of:	Time	of:	Time			
Relinquished by:	Date	Received by:	Date	Cooler Temperature:		
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:

Dewey Loeffel Landfill Groundwater Monitoring Program

Lab Use Only

Project Number:

Lab ID:

Job Number:

OBG Office: Albany
Address: 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 / Janet Forsell
Email: Paul.D'Annibale@obg.com / Amy.Spooner-Stevens@obg.com / Janet.Forsell@obg.com

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 2nd Semi-Annual GW Sampling

Sampler(s): Jordan Thomson & Rob Hornung

Laboratory: Eurofins Lancaster, 2425 New Holland Pike, Lancaster, PA 17605

Eurofins PM: Megan Moeller
Phone: (717) 656-2300 x1246
Phone (cell): (717) 572-7529

Analysis Holding Time:
VOCs 14 days to analysis
1,4-dioxane/phenolic compounds: 7 days to extraction, 40 days to analysis

Full Lvl 4 w/ 28 calendar day TAT
Project Number: 60994.200.016
EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	TCL VOCs by SW-846 Method 8260C (Preservative 1; ug/L)	Low-level 1,4 dioxane by EPA Method 8270D SIM (Preservative 0; ug/L)	Phenolic Compounds by SW-846 Method 8270D (Preservative 0; ug/L)	Lab Sample ID
1	GW-10212015-TB	—	10/21/15	—	TB	WQ	2	G	N	X			
2								G	N				
3								G	N				
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: Custody Seals: 526797 and 526796

Relinquished by:	Date / Time	Received by:	Date / Time
Rob Hornung of: OBG	10/21/15 1820	Fedex of: Track # 8070 4931 7230	10/21/15 1820
Relinquished by: of:	Date Time	Received by: of:	Date Time
Relinquished by: of:	Date Time	Received by: of:	Date Time

Condition:

Custody Seals intact? Y N

Cooler Temperature:

Comments or Notes:
Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015). 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQuIS 4-file EDD with USEPA Region 2 Reference Values.

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:

Dewey Loeffel Landfill Groundwater Monitoring Program

Page ___ of ___

Lab Use Only

Project Number:

Lab ID:

Job Number:

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 2nd Semi-Annual GW Sampling

Sampler(s): Jordan Thomson & Rob Hornung

OBG Office: Albany

Address: 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 / Janet Forsell

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

Laboratory:
Eurofins Lancaster
2425 New Holland Pike
Lancaster, PA 17605

Eurofins PM: Megan Moeller
Phone: (717) 656-2300 x1246
Phone (cell): (717) 572-7529

Analysis Holding Time:
VOCs 14 days to analysis
1,4-dioxane/phenolic compounds: 7 days to extraction, 40 days to analysis

Full Lvl 4 w/ 28 calendar day TAT

Project Number: 60994.200.016

EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

	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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	TCL VOCs by SW-846 Method 8260C (1)	Low-level 1,4 dioxane by EPA Method 8270D SIM (0)	Phenolic Compounds by SW-846 Method 8270D (0)	Lab Sample ID
	Sample Identification							Reporting Units		ug/L	ug/L	ug/L	
1	MW-B-OMW-220-10222015	OMW-220	10/22/15	09:45	N	WG	3	G	N	X			
2	MW-B-OMW-221-10222015	OMW-221	10/22/15	11:00	N	WG	4	G	N	X	X		
3	MW-B-OMW-222-10222015	OMW-222	10/22/15	13:15	N	WG	4	G	N	X	X		
4	MW-B-OMW-223-10222015	OMW-223	10/22/15	14:00	N	WG	3	G	N	X			
5	GW-10222015-TB	—	10/22/15	—	TB	WQ	2	G	N	X			
6								G	N				
7								G	N				
8								G	N				
9								G	N				
10								G	N				
11								G	N				
12								G	N				

Special Instructions: Custody Seals: 504890 and 504891

Relinquished by: Rob Hornung	Date 10/22/15	Received by: Fedex	Date 10/22/15	Condition:	Comments or Notes: **Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015). 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQuIS 4-file EDD with USEPA Region 2 Reference Values.**
of: OBG	Time 1655	of: Track # 8070 4931 7115	Time 1655		
Relinquished by:	Date	Received by:	Date	Custody Seals intact? Y N	
of:	Time	of:	Time		
Relinquished by:	Date	Received by:	Date	Cooler Temperature:	
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:

Dewey Loeffel Landfill Groundwater Monitoring Program

Page 1 of 1

Lab Use Only

Project Number:

Lab ID:

Job Number:

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 2nd Semi-Annual GW Sampling

Sampler(s): Jordan Thomson & Rob Hornung

OBG Office: Albany
Address: 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 / Janet Forsell
Email: Paul.D'Annibale@obg.com / Amy.Spooner-Stevens@obg.com / Janet.Forsell@obg.com

Laboratory:
Eurofins Lancaster
2425 New Holland Pike
Lancaster, PA 17605

Eurofins PM: Megan Moeller
Phone: (717) 656-2300 x1246
Phone (cell): (717) 572-7529

Analysis Holding Time:
VOCs 14 days to analysis
1,4-dioxane/phenolic compounds: 7 days to extraction, 40 days to analysis
Full Lvl 4 w/ 28 calendar day TAT
Project Number: 60994.200.016
EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

	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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	TCL VOCs by SW-846 Method 8260C (1)	Low-level 1,4 dioxane by EPA Method 8270D SIM (0)	Phenolic Compounds by SW-846 Method 8270D (0)	Lab Sample ID
	Reporting Units									ug/L	ug/L	ug/L	
1	MW-B-OMW-214-10232015	OMW-214	10/23/15	10:40	N	WG	4	G	N	X	X		
2	MW-B-OMW-103-10232015	OMW-103	10/23/15	12:10	N	WG	3	G	N	X			
3	MW-B-OMW-216-10232015	OMW-216	10/23/15	13:05	N	WG	4	G	N	X	X		
4	MW-B-OMW-216-10232015-MSD	OMW-216	10/23/15	13:05	MS	WQ	3	G	N	X			
5	MW-B-OMW-216-10232015-MS	OMW-216	10/23/15	13:05	MS	WQ	3	G	N	X			
6	MW-B-OPZ-207-10232015	OPZ-207	10/23/15	14:20	N	WG	4	G	N	X	X		
7	GW-10232015-TB	—	10/23/15	—	TB	WQ	2	G	N	X			
8								G	N				
9								G	N				
10								G	N				
11								G	N				
12								G	N				

Special Instructions: Custody Seals: 504893 and 504894

Relinquished by: Rob Hornung	Date 10/23/15	Received by: Fedex	Date 10/23/15	Condition:	Comments or Notes:	
of: OBG	Time 1725	of: Track # 8070 4931 2282	Time 1725		**Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015). 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQuIS 4-file EDD with USEPA Region 2 Reference Values.**	
Relinquished by:	Date	Received by:	Date	Custody Seals intact? Y N		
of:	Time	of:	Time			
Relinquished by:	Date	Received by:	Date	Cooler Temperature:		
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:

Dewey Loeffel Landfill Groundwater Monitoring Program

Page 1 of 1

Lab Use Only

Project Number:

Lab ID:

Job Number:

Site Name / Location: Dewey Loeffel Landfill / Nassau, New York

Sampling Program: 2nd Semi-Annual GW Sampling

Sampler(s): Jordan Thomson & Rob Hornung

OBG Office: Albany
Address: 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 / Janet Forsell
Email: Paul.D'Annibale@obg.com / Amy.Spooner-Stevens@obg.com / Janet.Forsell@obg.com

Laboratory:
Eurofins Lancaster
2425 New Holland Pike
Lancaster, PA 17605

Eurofins PM: Megan Moeller
Phone: (717) 656-2300 x1246
Phone (cell): (717) 572-7529

Analysis Holding Time:
VOCs 14 days to analysis
1,4-dioxane/phenolic compounds: 7 days to extraction, 40 days to analysis

Full Lvl 4 w/ 28 calendar day TAT
Project Number: 60994.200.016
EDD Format: EQuIS 4-File

Chemical Preservatives: (see key at bottom)

	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	Grab (G) or Composite (C)	Field Filtered? (Y / N)	TCL VOCs by SW-846 Method 8260C (1)	Low-level 1,4 dioxane by EPA Method 8270D SIM (0)	Phenolic Compounds by SW-846 Method 8270D (0)	Lab Sample ID
	Sample Identification							Reporting Units		ug/L	ug/L	ug/L	
1	MW-B-OMW-201-10262015	OMW-201	10/26/15	10:20	N	WG	5	G	N	X	X	X	
2	MW-B-OMW-201-10262015-MS	OMW-201	10/26/15	10:20	MS	WQ	1	G	N		X		
3	MW-B-OMW-201-10262015-MSD	OMW-201	10/26/15	10:20	MS	WQ	1	G	N		X		
4	MW-B-OMW-102-10262015	OMW-102	10/26/15	10:40	N	WG	5	G	N	X	X	X	
5	MW-OBV-OMW-101-10262015	OMW-101	10/26/15	13:45	N	WG	3	G	N	X			
6	DUP-003-10262015	—	10/26/15	—	FD	WQ	1	G	N			X	
7	GW-10262015-TB	—	10/26/15	—	TB	WQ	2	G	N	X			
8								G	N				
9								G	N				
10								G	N				
11								G	N				
12								G	N				

Special Instructions: Custody Seals: 504892 and 504889

Relinquished by: Rob Hornung	Date 10/26/15	Received by: Fedex	Date 10/26/15	Condition:	Comments or Notes:		
of: OBG	Time 1810	of: Track # 8070 4931 6954	Time 1810		Analyze and report in accordance with Dewey Loeffel Landfill Superfund Site UFP QAPP (OBG, September 2015). 28 calendar day TAT for Full CLP Level Pkg (PDF) and EQuIS 4-file EDD with USEPA Region 2 Reference Values.		
Relinquished by:	Date	Received by:	Date	Custody Seals intact? Y N			
of:	Time	of:	Time				
Relinquished by:	Date	Received by:	Date	Cooler Temperature:			
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:

2015 Groundwater Sampling Laboratory Result Forms

Spring 2015 Laboratory Result Forms

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-205

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY186

Matrix: (soil/water) WATER Lab Sample ID: 1505A11-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16502.D

Level: (low/med) LOW Date Received: 05/13/15

% Moisture: not dec. Date Analyzed: 05/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	3		
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	UJ
56-23-5	Carbon tetrachloride	1	U	
71-43-2	Benzene	1		
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	

AMSS 6/17/2015

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-205

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY186

Matrix: (soil/water) WATER Lab Sample ID: 1505A11-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16502.D

Level: (low/med) LOW Date Received: 05/13/15

% Moisture: not dec. Date Analyzed: 05/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	53	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-051215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY186

Matrix: (soil/water) WATER Lab Sample ID: 1505A11-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16500.D

Level: (low/med) LOW Date Received: 05/13/15

% Moisture: not dec. Date Analyzed: 05/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	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

EPA SAMPLE NO.

TB-051215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY186

Matrix: (soil/water) WATER Lab Sample ID: 1505A11-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16500.D

Level: (low/med) LOW Date Received: 05/13/15

% Moisture: not dec. Date Analyzed: 05/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

QMW-215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16445.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	UJ
74-87-3	Chloromethane	1	U	UJ
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		
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	10	U	
110-82-7	Cyclohexane	1	U	UJ
56-23-5	Carbon tetrachloride	1	U	
~~71-43-2~~	~~Benzene~~	~~420~~	~~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	9		
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 6/17/2015

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16445.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	8	
100-41-4	Ethylbenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	10	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	10	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-001ADL

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16449.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	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	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	100	U
110-82-7	Cyclohexane	10	U
56-23-5	Carbon tetrachloride	10	U
71-43-2	Benzene	290	D
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	10	U
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

Report benzene only
AMSS 6/17/2015

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-001ADL

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16449.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
124-48-1	Dibromochloromethane	10	U
106-93-4	1,2-Dibromoethane	10	U
108-90-7	Chlorobenzene	10	D
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	100	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	100	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

Report benzene only
AMSS 6/17/2015

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-201

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16446.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	UJ
74-87-3	Chloromethane	1	U	UJ
75-01-4	Vinyl chloride	2	Z	
74-83-9	Bromomethane	1	U	
75-00-3	Chloroethane	33		
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	8		
75-15-0	Carbon disulfide	1	U	
75-09-2	Methylene chloride	1	U	
156-60-5	trans-1,2-Dichloroethene	3		
1634-04-4	Methyl tert-butyl ether	1	U	
75-34-3	1,1-Dichloroethane	1		
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	10	U	
110-82-7	Cyclohexane	1	U	UJ
56-23-5	Carbon tetrachloride	1	U	
~~71-43-2~~	~~Benzene~~	~~4000~~	~~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	10		
~~108-88-3~~	~~Toluene~~	~~510~~	~~E~~	
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 or toluene
AMSS 6/17/2015

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-201

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16446.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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~~	~~1600~~	~~E~~
100-41-4	Ethylbenzene	120	
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	190	
95-47-6	o-Xylene	21	
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	10	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

Do not report chlorobenzene
AMSS 6/17/2015

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-201DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-002ADL

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16460.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	2000	U
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	27000	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	500	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

Report benzene and toluene only
AMSS 6/17/2015

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-201DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-002ADL

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16460.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	2000	U
179601-23-1	m,p-Xylene	200	U
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	2000	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

Report chlorobenzene only
AMSS 6/17/2015

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-102

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16450.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	UJ
74-87-3	Chloromethane	1	U	UJ
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	6		
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	10	U	
110-82-7	Cyclohexane	1	U	UJ
56-23-5	Carbon tetrachloride	1	U	
71-43-2	Benzene	200		
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	

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1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-102

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-003A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16450.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	10	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	10	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-001
(blind dup of OMW-102)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-004A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16451.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	UJ
74-87-3	Chloromethane	1	U	UJ
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	6		
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	10	U	
110-82-7	Cyclohexane	1	U	UJ
56-23-5	Carbon tetrachloride	1	U	
71-43-2	Benzene	200		
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	

AMSS 6/16/2015

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-001
(blind dup of OMW-102)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-004A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16451.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	10	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	10	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

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-051315

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-005A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16444.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	UJ
74-87-3	Chloromethane	1	U	UJ
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	10	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	

AMSS 6/17/2015

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-051315

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY187

Matrix: (soil/water) WATER Lab Sample ID: 1505B53-005A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16444.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	1	U
100-41-4	Ethylbenzene	1	U
630-20-6	1,1,1,2-Tetrachloroethane	10	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	10	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

AMSS 6/17/2015

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-213

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY194

Matrix: (soil/water) WATER Lab Sample ID: 1505C23-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16503.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	
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	2	
156-59-2	cis-1,2-Dichloroethene	34	
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	9	
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	1	U UJ
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	2	
107-06-2	1,2-Dichloroethane	7	
79-01-6	Trichloroethene	100	
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

AMSS 6/17/2015

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

OMW-213

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY194

Matrix: (soil/water) WATER Lab Sample ID: 1505C23-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16503.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	7	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TB-051415

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY194

Matrix: (soil/water) WATER Lab Sample ID: 1505C23-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16501.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	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

EPA SAMPLE NO.

TB-051415

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY194

Matrix: (soil/water) WATER Lab Sample ID: 1505C23-002A

Sample wt/vol: 5 (g/mL) mL Lab File ID: J16501.D

Level: (low/med) LOW Date Received: 05/15/15

% Moisture: not dec. Date Analyzed: 05/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	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	**Service Request:**	R1503693
Project:	15050207/Dewey Loeffel	**Date Collected:**	5/12/15 1425
Sample Matrix:	Water	**Date Received:**	5/14/15
		Date Extracted:	5/18/15
		Date Analyzed:	5/18/15 14:38
Sample Name:	OMW-205-051215	**Units:**	µg/L
Lab Code:	R1503693-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	445316
Prep Method:	EPA 3535A	**Extraction Lot:**	236049
Data File Name:	I:\ACQUDATA\5975E\data\051815\AI998.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	10		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	80	57-118	5/18/15 14:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1503743
Project:	15050239/Dewey Loeffel	**Date Collected:**	5/13/15 1015
Sample Matrix:	Water	**Date Received:**	5/15/15
		Date Extracted:	5/18/15
		Date Analyzed:	5/18/15 14:56
Sample Name:	OMW-215-051315	**Units:**	µg/L
Lab Code:	R1503743-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	445316
Prep Method:	EPA 3535A	**Extraction Lot:**	236049
Data File Name:	I:\ACQUDATA\5975E\data\051815\AI999.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**15**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	90	57-118	5/18/15 14:56	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1503743
Project:	15050239/Dewey Loeffel	**Date Collected:**	5/13/15
Sample Matrix:	Water	**Date Received:**	5/15/15
		Date Extracted:	5/18/15
		Date Analyzed:	5/18/15 16:27
Sample Name:	DUP-002-051315 (blind duplicate of OMW-215)	**Units:**	µg/L
Lab Code:	R1503743-004	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	445316
Prep Method:	EPA 3535A	**Extraction Lot:**	236049
Data File Name:	I:\ACQUDATA\5975E\data\051815\AJ004.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**15**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	86	57-118	5/18/15 16:27	

AMSS 6/19/2015

Client:	Pace Analytical Services - NY	**Service Request:**	R1503743
Project:	15050239/Dewey Loeffel	**Date Collected:**	5/13/15 1250
Sample Matrix:	Water	**Date Received:**	5/15/15
		Date Extracted:	5/18/15
		Date Analyzed:	5/18/15 15:51
Sample Name:	OMW-201-051315	**Units:**	µg/L
Lab Code:	R1503743-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	445316
Prep Method:	EPA 3535A	**Extraction Lot:**	236049
Data File Name:	I:\ACQUDATA\5975E\data\051815\AJ002.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**15**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	86	57-118	5/18/15 15:51	

Client:	Pace Analytical Services - NY	**Service Request:**	R1503743
Project:	15050239/Dewey Loeffel	**Date Collected:**	5/13/15 1500
Sample Matrix:	Water	**Date Received:**	5/15/15
		Date Extracted:	5/18/15
		Date Analyzed:	5/18/15 16:09
Sample Name:	OMW-102-051315	**Units:**	µg/L
Lab Code:	R1503743-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	445316
Prep Method:	EPA 3535A	**Extraction Lot:**	236049
Data File Name:	I:\ACQUDATA\5975E\data\051815\AJ003.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**4.0**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	80	57-118	5/18/15 16:09	

Fall 2015 Laboratory Result Forms

Sample Description: MW-B-OMW-108-10202015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8097737
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015 11:55 by JT

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED01 SDG#: DLL02-01

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-108-10202015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8097737
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015 11:55 by JT

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED01 SDG#: DLL02-01

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l		ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.		0.5	1	1
11997	o-Xylene	95-47-6	N.D.		0.5	1	1
	Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.						
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l		ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	0.10	J	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	Y152991AA	10/26/2015 23:45	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	Y152991AA	10/26/2015 23:45	Angela D Sneeringer	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/05/2015 19:42	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-OVB-OMW-107-10202015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8097738
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015 12:10 by JT

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED02 SDG#: DLL02-02

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l		ug/l	ug/l	
11997	Acetone	67-64-1	N.D.		6	20	1
11997	Benzene	71-43-2	N.D.		0.5	1	1
11997	Bromobenzene	108-86-1	N.D.		1	5	1
11997	Bromochloromethane	74-97-5	N.D.		1	5	1
11997	Bromodichloromethane	75-27-4	N.D.		0.5	1	1
11997	Bromoform	75-25-2	N.D.		0.5	4	1
11997	Bromomethane	74-83-9	N.D.		0.5	1	1
11997	2-Butanone	78-93-3	N.D.		3	10	1
11997	Carbon Disulfide	75-15-0	N.D.		1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.5	1	1
11997	Chlorobenzene	108-90-7	0.6	J	0.5	1	1
11997	Chloroethane	75-00-3	N.D.		0.5	1	1
11997	Chloroform	67-66-3	N.D.		0.5	1	1
11997	Chloromethane	74-87-3	N.D.		0.5	1	1
11997	Cyclohexane	110-82-7	N.D.		2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2	5	1
11997	Dibromochloromethane	124-48-1	N.D.		0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.		0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.		0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.		0.5	1	1
11997	Freon 113	76-13-1	N.D.		2	10	1
11997	2-Hexanone	591-78-6	N.D.		3	10	1
11997	Isopropylbenzene	98-82-8	N.D.		1	5	1
11997	Methyl Acetate	79-20-9	N.D.		1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.		3	10	1
11997	Methylcyclohexane	108-87-2	N.D.		1	5	1
11997	Methylene Chloride	75-09-2	N.D.		2	4	1
11997	Styrene	100-42-5	N.D.		1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.		0.5	1	1
11997	Toluene	108-88-3	N.D.		0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.		1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.		1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.5	1	1
11997	Trichloroethene	79-01-6	N.D.		0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.		0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-OVB-OMW-107-10202015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8097738
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015 12:10 by JT

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED02 SDG#: DLL02-02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	0.92	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	Y153061AA	11/02/2015 16:39	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	Y153061AA	11/02/2015 16:39	Angela D Sneeringer	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/05/2015 20:16	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-206-10202015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8097739
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015 15:35 by JT

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED03 SDG#: DLL02-03

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-206-10202015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8097739
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015 15:35 by JT

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED03 SDG#: DLL02-03

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1
	Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.					
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	N.D.	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	Y152991AA	10/27/2015 00:27	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	Y152991AA	10/27/2015 00:27	Angela D Sneeringer	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/05/2015 20:49	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

OPZ

Sample Description: MW-B-~~OP2~~-217-10202015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8097740
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015 15:50 by JT

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED04 SDG#: DLL02-04

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

AMSS 11/25/2015

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Analysis Report

OPZ

Sample Description: MW-B-~~OR2~~-217-10202015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8097740
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015 15:50 by JT

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED04 SDG#: DLL02-04

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	Y152991AA	10/27/2015 00:48	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	Y152991AA	10/27/2015 00:48	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

AMSS 11/25/2015

Sample Description: GW-10202015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8097741
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED05 SDG#: DLL02-05TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: GW-10202015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8097741
LL Group # 1602614
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/20/2015

Submitted: 10/21/2015 09:30
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GED05 SDG#: DLL02-05TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	Y152991AA	10/26/2015 17:05	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	Y152991AA	10/26/2015 17:05	Angela D Sneeringer	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-202-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100691
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 09:35 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM202 SDG#: DLL02-06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	2	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-202-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100691
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 09:35 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM202 SDG#: DLL02-06

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

A Method Detection Limit (MDL) standard was not analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). Therefore adequate sensitivity could not be demonstrated at or below the reporting limit for 1,2-Dibromo-3-chloropropane. The client was contacted and the data reported.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153062AA	11/03/2015 02:55	Caitlin M Carmody	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153062AA	11/03/2015 02:55	Caitlin M Carmody	1

*=This limit was used in the evaluation of the final result

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Analysis Report

(blind dup of OMW-202)

Sample Description: DUP-002-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100701
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OMFD2 SDG#: DLL02-12FD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	2	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

AMSS 11/25/2015

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Analysis Report

(blind dup of OMW-202)

Sample Description: DUP-002-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100701
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OMFD2 SDG#: DLL02-12FD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

A Method Detection Limit (MDL) standard was not analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). Therefore adequate sensitivity could not be demonstrated at or below the reporting limit for 1,2-Dibromo-3-chloropropane. The client was contacted and the data reported.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153062AA	11/03/2015 06:04	Caitlin M Carmody	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153062AA	11/03/2015 06:04	Caitlin M Carmody	1

*=This limit was used in the evaluation of the final result

AMSS 11/25/2015

Sample Description: MW-B-OMW-218-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100692
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 10:30 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM218 SDG#: DLL02-07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	5	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-218-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100692
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 10:30 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM218 SDG#: DLL02-07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

A Method Detection Limit (MDL) standard was not analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). Therefore adequate sensitivity could not be demonstrated at or below the reporting limit for 1,2-Dibromo-3-chloropropane. The client was contacted and the data reported.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153062AA	11/03/2015 03:18	Caitlin M Carmody	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153062AA	11/03/2015 03:18	Caitlin M Carmody	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-215-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100693
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 12:15 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM215 SDG#: DLL02-08BKG

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l		ug/l	ug/l	
11997	Acetone	67-64-1	N.D.		6	20	1
11997	Benzene	71-43-2	280		0.5	1	1
11997	Bromobenzene	108-86-1	N.D.		1	5	1
11997	Bromochloromethane	74-97-5	N.D.		1	5	1
11997	Bromodichloromethane	75-27-4	N.D.		0.5	1	1
11997	Bromoform	75-25-2	N.D.		0.5	4	1
11997	Bromomethane	74-83-9	N.D.		0.5	1	1
11997	2-Butanone	78-93-3	N.D.		3	10	1
11997	Carbon Disulfide	75-15-0	N.D.		1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.5	1	1
11997	Chlorobenzene	108-90-7	6		0.5	1	1
11997	Chloroethane	75-00-3	N.D.		0.5	1	1
11997	Chloroform	67-66-3	N.D.		0.5	1	1
11997	Chloromethane	74-87-3	N.D.		0.5	1	1
11997	Cyclohexane	110-82-7	N.D.		2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2	5	1
11997	Dibromochloromethane	124-48-1	N.D.		0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.		0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.5	1	1
11997	1,1-Dichloroethane	75-34-3	0.7	J	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.		0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.		0.5	1	1
11997	Freon 113	76-13-1	N.D.		2	10	1
11997	2-Hexanone	591-78-6	N.D.		3	10	1
11997	Isopropylbenzene	98-82-8	N.D.		1	5	1
11997	Methyl Acetate	79-20-9	N.D.		1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.		3	10	1
11997	Methylcyclohexane	108-87-2	N.D.		1	5	1
11997	Methylene Chloride	75-09-2	N.D.		2	4	1
11997	Styrene	100-42-5	N.D.		1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.		0.5	1	1
11997	Toluene	108-88-3	4		0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.		1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.		1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.5	1	1
11997	Trichloroethene	79-01-6	N.D.		0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.		0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-215-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100693
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 12:15 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM215 SDG#: DLL02-08BKG

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1
	A Method Detection Limit (MDL) standard was not analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). Therefore adequate sensitivity could not be demonstrated at or below the reporting limit for 1,2-Dibromo-3-chloropropane. The client was contacted and the data reported.					
GC/MS Semivolatiles	**SW-846 8270D**		ug/l	ug/l	ug/l	
10461	4-Chloro-3-methylphenol	59-50-7	N.D.	0.5	0.9	1
10461	2-Chlorophenol	95-57-8	N.D.	0.5	0.9	1
10461	2,4-Dichlorophenol	120-83-2	N.D.	0.5	0.9	1
10461	2,4-Dimethylphenol	105-67-9	N.D.	0.5	0.9	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5	14	1
10461	2,4-Dinitrophenol	51-28-5	N.D.	9	28	1
10461	2-Methylphenol	95-48-7	N.D.	0.5	0.9	1
10461	4-Methylphenol	106-44-5	N.D.	0.5	0.9	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	2-Nitrophenol	88-75-5	N.D.	0.5	0.9	1
10461	4-Nitrophenol	100-02-7	N.D.	9	28	1
10461	Pentachlorophenol	87-86-5	N.D.	0.9	5	1
10461	Phenol	108-95-2	1	0.5	0.9	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	N.D.	0.5	0.9	1
10461	2,4,5-Trichlorophenol	95-95-4	N.D.	0.5	0.9	1
10461	2,4,6-Trichlorophenol	88-06-2	N.D.	0.5	0.9	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	6.5	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153062AA	11/03/2015 03:42	Caitlin M Carmody	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153062AA	11/03/2015 03:42	Caitlin M Carmody	1
10461	Phenolic Compounds 8270D	SW-846 8270D	1	15298WAC026	10/28/2015 10:32	Linda M Hartenstine	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/05/2015 21:22	Catherine E Bachman	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-215-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100693
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 12:15 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM215 SDG#: DLL02-08BKG

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1
11010	8270D BNA Extraction	SW-846 3510C	1	15298WAC026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

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Analysis Report

(blind dup of OMW-215)

Sample Description: DUP-004-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100702
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OMFD4 SDG#: DLL02-13FD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	7.0	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/05/2015 22:28	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

AMSS 11/25/2015

Sample Description: MW-B-OMW-212-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100696
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 13:00 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM212 SDG#: DLL02-09BKG

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	22	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-212-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100696
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 13:00 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM212 SDG#: DLL02-09BKG

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

A Method Detection Limit (MDL) standard was not analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). Therefore adequate sensitivity could not be demonstrated at or below the reporting limit for 1,2-Dibromo-3-chloropropane. The client was contacted and the data reported.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153062AA	11/03/2015 04:06	Caitlin M Carmody	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153062AA	11/03/2015 04:06	Caitlin M Carmody	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-205-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100699
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 15:25 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM205 SDG#: DLL02-10

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l		ug/l	ug/l	
11997	Acetone	67-64-1	N.D.		6	20	1
11997	Benzene	71-43-2	3		0.5	1	1
11997	Bromobenzene	108-86-1	N.D.		1	5	1
11997	Bromochloromethane	74-97-5	N.D.		1	5	1
11997	Bromodichloromethane	75-27-4	N.D.		0.5	1	1
11997	Bromoform	75-25-2	N.D.		0.5	4	1
11997	Bromomethane	74-83-9	N.D.		0.5	1	1
11997	2-Butanone	78-93-3	N.D.		3	10	1
11997	Carbon Disulfide	75-15-0	N.D.		1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.5	1	1
11997	Chlorobenzene	108-90-7	120	J	0.5	1	1
11997	Chloroethane	75-00-3	N.D.		0.5	1	1
11997	Chloroform	67-66-3	N.D.		0.5	1	1
11997	Chloromethane	74-87-3	N.D.		0.5	1	1
11997	Cyclohexane	110-82-7	N.D.		2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2	5	1
11997	Dibromochloromethane	124-48-1	N.D.		0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.		0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1	5	1
11997	1,4-Dichlorobenzene	106-46-7	2	J	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.5	1	1
11997	1,2-Dichloroethane	107-06-2	0.5	J	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	6	J	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.		0.5	1	1
11997	Freon 113	76-13-1	N.D.		2	10	1
11997	2-Hexanone	591-78-6	N.D.		3	10	1
11997	Isopropylbenzene	98-82-8	N.D.		1	5	1
11997	Methyl Acetate	79-20-9	N.D.		1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.		3	10	1
11997	Methylcyclohexane	108-87-2	N.D.		1	5	1
11997	Methylene Chloride	75-09-2	N.D.		2	4	1
11997	Styrene	100-42-5	N.D.		1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.		0.5	1	1
11997	Toluene	108-88-3	N.D.		0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.		1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.		1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.5	1	1
11997	Trichloroethene	79-01-6	0.8	J	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.5	1	1
11997	Vinyl Chloride	75-01-4	1		0.5	1	1

*=This limit was used in the evaluation of the final result

AMSS 11/25/2015

Sample Description: MW-B-OMW-205-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100699
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 15:25 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM205 SDG#: DLL02-10

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

A Method Detection Limit (MDL) standard was not analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). Therefore adequate sensitivity could not be demonstrated at or below the reporting limit for 1,2-Dibromo-3-chloropropane. The client was contacted and the data reported.

GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	6.6	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153062AA	11/03/2015 05:17	Caitlin M Carmody	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153062AA	11/03/2015 05:17	Caitlin M Carmody	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/05/2015 21:55	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

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Analysis Report

(blind dup of OMW-205)

Sample Description: DUP-001-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100700
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OMFD1 SDG#: DLL02-11FD

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l		ug/l	ug/l	
11997	Acetone	67-64-1	N.D.		6	20	1
11997	Benzene	71-43-2	1		0.5	1	1
11997	Bromobenzene	108-86-1	N.D.		1	5	1
11997	Bromochloromethane	74-97-5	N.D.		1	5	1
11997	Bromodichloromethane	75-27-4	N.D.		0.5	1	1
11997	Bromoform	75-25-2	N.D.		0.5	4	1
11997	Bromomethane	74-83-9	N.D.		0.5	1	1
11997	2-Butanone	78-93-3	N.D.		3	10	1
11997	Carbon Disulfide	75-15-0	N.D.		1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.5	1	1
11997	Chlorobenzene	108-90-7	65	J	0.5	1	1
11997	Chloroethane	75-00-3	N.D.		0.5	1	1
11997	Chloroform	67-66-3	N.D.		0.5	1	1
11997	Chloromethane	74-87-3	N.D.		0.5	1	1
11997	Cyclohexane	110-82-7	N.D.		2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2	5	1
11997	Dibromochloromethane	124-48-1	N.D.		0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.		0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1	5	1
11997	1,4-Dichlorobenzene	106-46-7	1	J	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	3	J	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.		0.5	1	1
11997	Freon 113	76-13-1	N.D.		2	10	1
11997	2-Hexanone	591-78-6	N.D.		3	10	1
11997	Isopropylbenzene	98-82-8	N.D.		1	5	1
11997	Methyl Acetate	79-20-9	N.D.		1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.		3	10	1
11997	Methylcyclohexane	108-87-2	N.D.		1	5	1
11997	Methylene Chloride	75-09-2	N.D.		2	4	1
11997	Styrene	100-42-5	N.D.		1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.		0.5	1	1
11997	Toluene	108-88-3	N.D.		0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.		1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.		1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.5	1	1
11997	Trichloroethene	79-01-6	N.D.		0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.5	1	1
11997	Vinyl Chloride	75-01-4	0.7	J	0.5	1	1

*=This limit was used in the evaluation of the final result

AMSS 11/25/2015

(blind dup of OMW-205)

Sample Description: DUP-001-10212015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8100700
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015 by JT

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OMFD1 SDG#: DLL02-11FD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

A Method Detection Limit (MDL) standard was not analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). Therefore adequate sensitivity could not be demonstrated at or below the reporting limit for 1,2-Dibromo-3-chloropropane. The client was contacted and the data reported.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153062AA	11/03/2015 05:40	Caitlin M Carmody	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153062AA	11/03/2015 05:40	Caitlin M Carmody	1

*=This limit was used in the evaluation of the final result

AMSS 11/25/2015

Sample Description: GW-10212015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8100703
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM-TB SDG#: DLL02-14TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: GW-10212015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8100703
LL Group # 1603120
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/21/2015

Submitted: 10/22/2015 09:20
Reported: 11/22/2015 12:34

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM-TB SDG#: DLL02-14TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

A Method Detection Limit (MDL) standard was not analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). Therefore adequate sensitivity could not be demonstrated at or below the reporting limit for 1,2-Dibromo-3-chloropropane. The client was contacted and the data reported.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153062AA	11/03/2015 06:28	Caitlin M Carmody	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153062AA	11/03/2015 06:28	Caitlin M Carmody	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-220-10222015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8102456
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015 09:45 by JT

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

--220 SDG#: DLL02-15

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l		ug/l	ug/l	
11997	Acetone	67-64-1	N.D.		6	20	1
11997	Benzene	71-43-2	N.D.		0.5	1	1
11997	Bromobenzene	108-86-1	N.D.		1	5	1
11997	Bromochloromethane	74-97-5	N.D.		1	5	1
11997	Bromodichloromethane	75-27-4	N.D.		0.5	1	1
11997	Bromoform	75-25-2	N.D.		0.5	4	1
11997	Bromomethane	74-83-9	N.D.		0.5	1	1
11997	2-Butanone	78-93-3	N.D.		3	10	1
11997	Carbon Disulfide	75-15-0	3	J	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.		0.5	1	1
11997	Chloroethane	75-00-3	N.D.		0.5	1	1
11997	Chloroform	67-66-3	N.D.		0.5	1	1
11997	Chloromethane	74-87-3	N.D.		0.5	1	1
11997	Cyclohexane	110-82-7	N.D.		2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2	5	1
11997	Dibromochloromethane	124-48-1	N.D.		0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.		0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.		0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.		0.5	1	1
11997	Freon 113	76-13-1	N.D.		2	10	1
11997	2-Hexanone	591-78-6	N.D.		3	10	1
11997	Isopropylbenzene	98-82-8	N.D.		1	5	1
11997	Methyl Acetate	79-20-9	N.D.		1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.		3	10	1
11997	Methylcyclohexane	108-87-2	N.D.		1	5	1
11997	Methylene Chloride	75-09-2	N.D.		2	4	1
11997	Styrene	100-42-5	N.D.		1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.		0.5	1	1
11997	Toluene	108-88-3	N.D.		0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.		1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.		1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.5	1	1
11997	Trichloroethene	79-01-6	N.D.		0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.		0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-220-10222015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8102456
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015 09:45 by JT

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

--220 SDG#: DLL02-15

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 14:34	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 14:34	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-221-10222015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8102457
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015 11:00 by JT

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

--221 SDG#: DLL02-16

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	3	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-221-10222015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8102457
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015 11:00 by JT

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

--221 SDG#: DLL02-16

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	N.D.	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 14:57	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 14:57	Daniel H Heller	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/05/2015 23:01	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-222-10222015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8102458
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015 13:15 by JT

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

--222 SDG#: DLL02-17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-222-10222015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8102458
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015 13:15 by JT

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

--222 SDG#: DLL02-17

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	N.D.	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 15:21	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 15:21	Daniel H Heller	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/05/2015 23:34	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-223-10222015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8102459
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015 14:00 by JT

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

--223 SDG#: DLL02-18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-223-10222015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8102459
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015 14:00 by JT

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

--223 SDG#: DLL02-18

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 15:44	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 15:44	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: GW-10222015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8102460
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

223-T SDG#: DLL02-19TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: GW-10222015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8102460
LL Group # 1603431
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/22/2015

Submitted: 10/23/2015 09:20
Reported: 11/20/2015 16:06

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

223-T SDG#: DLL02-19TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 11:47	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 11:47	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-214-10232015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8103992
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015 10:40 by JT

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM214 SDG#: DLL03-01

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l		ug/l	ug/l	
11997	Acetone	67-64-1	10	J	6	20	1
11997	Benzene	71-43-2	N.D.		0.5	1	1
11997	Bromobenzene	108-86-1	N.D.		1	5	1
11997	Bromochloromethane	74-97-5	N.D.		1	5	1
11997	Bromodichloromethane	75-27-4	N.D.		0.5	1	1
11997	Bromoform	75-25-2	N.D.		0.5	4	1
11997	Bromomethane	74-83-9	N.D.		0.5	1	1
11997	2-Butanone	78-93-3	N.D.		3	10	1
11997	Carbon Disulfide	75-15-0	N.D.		1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.5	1	1
11997	Chlorobenzene	108-90-7	1		0.5	1	1
11997	Chloroethane	75-00-3	N.D.		0.5	1	1
11997	Chloroform	67-66-3	N.D.		0.5	1	1
11997	Chloromethane	74-87-3	N.D.		0.5	1	1
11997	Cyclohexane	110-82-7	N.D.		2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2	5	1
11997	Dibromochloromethane	124-48-1	N.D.		0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.		0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.		0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.		0.5	1	1
11997	Freon 113	76-13-1	N.D.		2	10	1
11997	2-Hexanone	591-78-6	N.D.		3	10	1
11997	Isopropylbenzene	98-82-8	N.D.		1	5	1
11997	Methyl Acetate	79-20-9	N.D.		1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.		3	10	1
11997	Methylcyclohexane	108-87-2	N.D.		1	5	1
11997	Methylene Chloride	75-09-2	N.D.		2	4	1
11997	Styrene	100-42-5	N.D.		1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.		0.5	1	1
11997	Toluene	108-88-3	N.D.		0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.		1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.		1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.5	1	1
11997	Trichloroethene	79-01-6	N.D.		0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.		0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-214-10232015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8103992
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015 10:40 by JT

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM214 SDG#: DLL03-01

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	1.2	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 16:08	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 16:08	Daniel H Heller	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/06/2015 00:07	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-103-10232015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8103993
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015 12:10 by JT

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM103 SDG#: DLL03-02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-103-10232015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8103993
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015 12:10 by JT

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM103 SDG#: DLL03-02

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 16:32	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 16:32	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-216-10232015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8103994
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015 13:05 by JT

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM216 SDG#: DLL03-03BKG

CAT No.	Analysis Name	CAS Number	Result		Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l		ug/l	ug/l	
11997	Acetone	67-64-1	N.D.		6	20	1
11997	Benzene	71-43-2	0.6	J	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.		1	5	1
11997	Bromochloromethane	74-97-5	N.D.		1	5	1
11997	Bromodichloromethane	75-27-4	N.D.		0.5	1	1
11997	Bromoform	75-25-2	N.D.		0.5	4	1
11997	Bromomethane	74-83-9	N.D.		0.5	1	1
11997	2-Butanone	78-93-3	N.D.		3	10	1
11997	Carbon Disulfide	75-15-0	N.D.		1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.5	1	1
11997	Chlorobenzene	108-90-7	4		0.5	1	1
11997	Chloroethane	75-00-3	N.D.		0.5	1	1
11997	Chloroform	67-66-3	N.D.		0.5	1	1
11997	Chloromethane	74-87-3	N.D.		0.5	1	1
11997	Cyclohexane	110-82-7	N.D.		2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.		2	5	1
11997	Dibromochloromethane	124-48-1	N.D.		0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.		0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	2		0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.		0.5	1	1
11997	Freon 113	76-13-1	N.D.		2	10	1
11997	2-Hexanone	591-78-6	N.D.		3	10	1
11997	Isopropylbenzene	98-82-8	N.D.		1	5	1
11997	Methyl Acetate	79-20-9	N.D.		1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.		0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.		3	10	1
11997	Methylcyclohexane	108-87-2	N.D.		1	5	1
11997	Methylene Chloride	75-09-2	N.D.		2	4	1
11997	Styrene	100-42-5	N.D.		1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.		0.5	1	1
11997	Toluene	108-88-3	N.D.		0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.		1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.		1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.5	1	1
11997	Trichloroethene	79-01-6	2		0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.		0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-216-10232015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8103994
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015 13:05 by JT

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OM216 SDG#: DLL03-03BKG

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	1.4	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 13:24	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 13:24	Daniel H Heller	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/06/2015 00:40	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OPZ-207-10232015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8103997
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015 14:20 by JT

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OZ207 SDG#: DLL03-04

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	14	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OPZ-207-10232015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8103997
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015 14:20 by JT

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

OZ207 SDG#: DLL03-04

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	4.0	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 16:55	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 16:55	Daniel H Heller	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15298WAB026	11/06/2015 01:13	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15298WAB026	10/27/2015 03:00	Sherry L Morrow	1

*=This limit was used in the evaluation of the final result

Sample Description: GW-10232015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8103998
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GE-TB SDG#: DLL03-05TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: GW-10232015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8103998
LL Group # 1603634
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/23/2015

Submitted: 10/24/2015 09:50
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

GE-TB SDG#: DLL03-05TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153101AA	11/06/2015 13:57	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153101AA	11/06/2015 13:57	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-201-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105584
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 10:20 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-201- SDG#: DLL03-06BKG

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	60	200	10
11997	Benzene	71-43-2	14,000	50	100	100
11997	Bromobenzene	108-86-1	N.D.	10	50	10
11997	Bromochloromethane	74-97-5	N.D.	10	50	10
11997	Bromodichloromethane	75-27-4	N.D.	5	10	10
11997	Bromoform	75-25-2	N.D.	5	40	10
11997	Bromomethane	74-83-9	N.D.	5	10	10
11997	2-Butanone	78-93-3	N.D.	30	100	10
11997	Carbon Disulfide	75-15-0	N.D.	10	50	10
11997	Carbon Tetrachloride	56-23-5	N.D.	5	10	10
11997	Chlorobenzene	108-90-7	1,200	5	10	10
11997	Chloroethane	75-00-3	13	5	10	10
11997	Chloroform	67-66-3	N.D.	5	10	10
11997	Chloromethane	74-87-3	N.D.	5	10	10
11997	Cyclohexane	110-82-7	N.D.	20	50	10
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	20	50	10
11997	Dibromochloromethane	124-48-1	N.D.	5	10	10
11997	1,2-Dibromoethane	106-93-4	N.D.	5	10	10
11997	1,2-Dichlorobenzene	95-50-1	N.D.	10	50	10
11997	1,3-Dichlorobenzene	541-73-1	N.D.	10	50	10
11997	1,4-Dichlorobenzene	106-46-7	N.D.	10	50	10
11997	Dichlorodifluoromethane	75-71-8	N.D.	5	10	10
11997	1,1-Dichloroethane	75-34-3	N.D.	5	10	10
11997	1,2-Dichloroethane	107-06-2	N.D.	5	10	10
11997	1,1-Dichloroethene	75-35-4	N.D.	5	10	10
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	5	10	10
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	5	10	10
11997	1,2-Dichloropropane	78-87-5	N.D.	5	10	10
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	5	10	10
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	5	10	10
11997	Ethylbenzene	100-41-4	57	5	10	10
11997	Freon 113	76-13-1	N.D.	20	100	10
11997	2-Hexanone	591-78-6	N.D.	30	100	10
11997	Isopropylbenzene	98-82-8	N.D.	10	50	10
11997	Methyl Acetate	79-20-9	N.D.	10	50	10
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	5	10	10
11997	4-Methyl-2-pentanone	108-10-1	N.D.	30	100	10
11997	Methylcyclohexane	108-87-2	N.D.	10	50	10
11997	Methylene Chloride	75-09-2	N.D.	20	40	10
11997	Styrene	100-42-5	N.D.	10	50	10
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	5	10	10
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5	10	10
11997	Tetrachloroethene	127-18-4	N.D.	5	10	10
11997	Toluene	108-88-3	120	5	10	10
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	10	50	10
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	10	50	10
11997	1,1,1-Trichloroethane	71-55-6	N.D.	5	10	10
11997	1,1,2-Trichloroethane	79-00-5	N.D.	5	10	10
11997	Trichloroethene	79-01-6	N.D.	5	10	10
11997	Trichlorofluoromethane	75-69-4	N.D.	5	10	10
11997	Vinyl Chloride	75-01-4	N.D.	5	10	10

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-201-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105584
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 10:20 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-201- SDG#: DLL03-06BKG

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	74	5	10	10
11997	o-Xylene	95-47-6	14	5	10	10

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

GC/MS Semivolatiles	**SW-846 8270D**		ug/l	ug/l	ug/l	
10461	4-Chloro-3-methylphenol	59-50-7	N.D. UJ	0.5	0.9	1
10461	2-Chlorophenol	95-57-8	5 J	0.5	0.9	1
10461	2,4-Dichlorophenol	120-83-2	N.D. UJ	0.5	0.9	1
10461	2,4-Dimethylphenol	105-67-9	32 J	0.5	0.9	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	N.D. UJ	5	14	1
10461	2,4-Dinitrophenol	51-28-5	N.D. UJ	9	28	1
10461	2-Methylphenol	95-48-7	6 J	0.5	0.9	1
10461	4-Methylphenol	106-44-5	5 J	0.5	0.9	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	2-Nitrophenol	88-75-5	N.D. UJ	0.5	0.9	1
10461	4-Nitrophenol	100-02-7	N.D. UJ	9	28	1
10461	Pentachlorophenol	87-86-5	N.D. UJ	0.9	5	1
10461	Phenol	108-95-2	3 J	0.5	0.9	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	N.D. UJ	0.5	0.9	1
10461	2,4,5-Trichlorophenol	95-95-4	N.D. UJ	0.5	0.9	1
10461	2,4,6-Trichlorophenol	88-06-2	N.D. UJ	0.5	0.9	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	520	4.7	19	100

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 17:19	Daniel H Heller	10
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 17:43	Daniel H Heller	100
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 17:19	Daniel H Heller	10
01163	GC/MS VOA Water Prep	SW-846 5030C	2	W153081AA	11/04/2015 17:43	Daniel H Heller	100

*=This limit was used in the evaluation of the final result

AMSS 11/30/2015

Sample Description: MW-B-OMW-201-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105584
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 10:20 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-201- SDG#: DLL03-06BKG

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	Phenolic Compounds 8270D	SW-846 8270D	1	15306WAD026	11/03/2015 20:28	Linda M Hartenstine	1
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15306WAC026	11/06/2015 21:07	Catherine E Bachman	100
10466	BNA Water Extraction SIM	SW-846 3510C	1	15306WAC026	11/02/2015 20:45	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	15306WAD026	11/02/2015 20:45	Nicholas W Shroyer	1

*=This limit was used in the evaluation of the final result

(blind dup of OMW-201)

Sample Description: DUP-003-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105589
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-D003 SDG#: DLL03-09FD

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Semivolatiles SW-846 8270D			ug/l	ug/l	ug/l	
10461	4-Chloro-3-methylphenol	59-50-7	N.D. UJ	0.5	0.9	1
10461	2-Chlorophenol	95-57-8	3 J	0.5	0.9	1
10461	2,4-Dichlorophenol	120-83-2	N.D. UJ	0.5	0.9	1
10461	2,4-Dimethylphenol	105-67-9	22 J	0.5	0.9	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	N.D. UJ	5	14	1
10461	2,4-Dinitrophenol	51-28-5	N.D. UJ	9	28	1
10461	2-Methylphenol	95-48-7	4 J	0.5	0.9	1
10461	4-Methylphenol	106-44-5	3 J	0.5	0.9	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	2-Nitrophenol	88-75-5	N.D. UJ	0.5	0.9	1
10461	4-Nitrophenol	100-02-7	N.D. UJ	9	28	1
10461	Pentachlorophenol	87-86-5	N.D. UJ	0.9	5	1
10461	Phenol	108-95-2	2 J	0.5	0.9	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	N.D. UJ	0.5	0.9	1
10461	2,4,5-Trichlorophenol	95-95-4	N.D. UJ	0.5	0.9	1
10461	2,4,6-Trichlorophenol	88-06-2	N.D. UJ	0.5	0.9	1
	The recovery for the sample surrogate(s) is outside the QC acceptance limits as noted on the QC Summary. Sufficient sample was not available to repeat the analysis.					

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10461	Phenolic Compounds 8270D	SW-846 8270D	1	15306WAD026	11/03/2015 21:17	Linda M Hartenstine	1
11010	8270D BNA Extraction	SW-846 3510C	1	15306WAD026	11/02/2015 20:45	Nicholas W Shroyer	1

*=This limit was used in the evaluation of the final result

AMSS 11/30/2015

Sample Description: MW-B-OMW-102-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105587
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 10:40 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-102- SDG#: DLL03-07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	83	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	2	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-102-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105587
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 10:40 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-102- SDG#: DLL03-07

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1
	Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.					
	A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.					
GC/MS Semivolatiles	**SW-846 8270D**		ug/l	ug/l	ug/l	
10461	4-Chloro-3-methylphenol	59-50-7	N.D.	0.5	0.9	1
10461	2-Chlorophenol	95-57-8	N.D.	0.5	0.9	1
10461	2,4-Dichlorophenol	120-83-2	N.D.	0.5	0.9	1
10461	2,4-Dimethylphenol	105-67-9	N.D.	0.5	0.9	1
10461	4,6-Dinitro-2-methylphenol	534-52-1	N.D.	5	14	1
10461	2,4-Dinitrophenol	51-28-5	N.D.	9	28	1
10461	2-Methylphenol	95-48-7	N.D.	0.5	0.9	1
10461	4-Methylphenol	106-44-5	N.D.	0.5	0.9	1
	3-Methylphenol and 4-methylphenol cannot be resolved under the chromatographic conditions used for sample analysis. The result reported for 4-methylphenol represents the combined total of both compounds.					
10461	2-Nitrophenol	88-75-5	N.D.	0.5	0.9	1
10461	4-Nitrophenol	100-02-7	N.D.	9	28	1
10461	Pentachlorophenol	87-86-5	N.D.	0.9	5	1
10461	Phenol	108-95-2	N.D.	0.5	0.9	1
10461	2,3,4,6-Tetrachlorophenol	58-90-2	N.D.	0.5	0.9	1
10461	2,4,5-Trichlorophenol	95-95-4	N.D.	0.5	0.9	1
10461	2,4,6-Trichlorophenol	88-06-2	N.D.	0.5	0.9	1
GC/MS Semivolatiles	**SW-846 8270D SIM**		ug/l	ug/l	ug/l	
12971	1,4-Dioxane	123-91-1	1.6	0.047	0.19	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 18:06	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 18:06	Daniel H Heller	1
10461	Phenolic Compounds 8270D	SW-846 8270D	1	15306WAD026	11/03/2015 20:53	Linda M Hartenstine	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-B-OMW-102-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105587
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 10:40 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-102- SDG#: DLL03-07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
12971	SIM SVOAs 8270D, water	SW-846 8270D SIM	1	15306WAC026	11/06/2015 20:34	Catherine E Bachman	1
10466	BNA Water Extraction SIM	SW-846 3510C	1	15306WAC026	11/02/2015 20:45	Nicholas W Shroyer	1
11010	8270D BNA Extraction	SW-846 3510C	1	15306WAD026	11/02/2015 20:45	Nicholas W Shroyer	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-OBV-OMW-101-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105588
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 13:45 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-101- SDG#: DLL03-08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

Sample Description: MW-OBV-OMW-101-10262015 Grab Groundwater
GE Dewey Loeffel Landfill

LL Sample # WW 8105588
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015 13:45 by JT

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-101- SDG#: DLL03-08

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

A Method Detection Limit (MDL) standard is analyzed to confirm sensitivity of the instrument for samples with non-detect analytes associated with a continuing calibration verification standard exhibiting low response (outside the 20%D criteria). The MDL standard shows adequate sensitivity at or below the reporting limit.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153081AA	11/04/2015 18:31	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153081AA	11/04/2015 18:31	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

Sample Description: GW-10262015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8105590
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-101T SDG#: DLL03-10TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	Acetone	67-64-1	N.D.	6	20	1
11997	Benzene	71-43-2	N.D.	0.5	1	1
11997	Bromobenzene	108-86-1	N.D.	1	5	1
11997	Bromochloromethane	74-97-5	N.D.	1	5	1
11997	Bromodichloromethane	75-27-4	N.D.	0.5	1	1
11997	Bromoform	75-25-2	N.D.	0.5	4	1
11997	Bromomethane	74-83-9	N.D.	0.5	1	1
11997	2-Butanone	78-93-3	N.D.	3	10	1
11997	Carbon Disulfide	75-15-0	N.D.	1	5	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.5	1	1
11997	Chlorobenzene	108-90-7	N.D.	0.5	1	1
11997	Chloroethane	75-00-3	N.D.	0.5	1	1
11997	Chloroform	67-66-3	N.D.	0.5	1	1
11997	Chloromethane	74-87-3	N.D.	0.5	1	1
11997	Cyclohexane	110-82-7	N.D.	2	5	1
11997	1,2-Dibromo-3-chloropropane	96-12-8	N.D.	2	5	1
11997	Dibromochloromethane	124-48-1	N.D.	0.5	1	1
11997	1,2-Dibromoethane	106-93-4	N.D.	0.5	1	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1	5	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1	5	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1	5	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.5	1	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.5	1	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.5	1	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.5	1	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.5	1	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.5	1	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.5	1	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.5	1	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.5	1	1
11997	Ethylbenzene	100-41-4	N.D.	0.5	1	1
11997	Freon 113	76-13-1	N.D.	2	10	1
11997	2-Hexanone	591-78-6	N.D.	3	10	1
11997	Isopropylbenzene	98-82-8	N.D.	1	5	1
11997	Methyl Acetate	79-20-9	N.D.	1	5	1
11997	Methyl Tertiary Butyl Ether	1634-04-4	N.D.	0.5	1	1
11997	4-Methyl-2-pentanone	108-10-1	N.D.	3	10	1
11997	Methylcyclohexane	108-87-2	N.D.	1	5	1
11997	Methylene Chloride	75-09-2	N.D.	2	4	1
11997	Styrene	100-42-5	N.D.	1	5	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.5	1	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.5	1	1
11997	Tetrachloroethene	127-18-4	N.D.	0.5	1	1
11997	Toluene	108-88-3	N.D.	0.5	1	1
11997	1,2,3-Trichlorobenzene	87-61-6	N.D.	1	5	1
11997	1,2,4-Trichlorobenzene	120-82-1	N.D.	1	5	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.5	1	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.5	1	1
11997	Trichloroethene	79-01-6	N.D.	0.5	1	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.5	1	1
11997	Vinyl Chloride	75-01-4	N.D.	0.5	1	1

*=This limit was used in the evaluation of the final result

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Analysis Report

Sample Description: GW-10262015-TB Water
GE Dewey Loeffel Landfill

LL Sample # WW 8105590
LL Group # 1603983
Account # 10890

Project Name: GE Dewey Loeffel

Collected: 10/26/2015

Submitted: 10/27/2015 09:25
Reported: 11/20/2015 16:04

GE-O'Brien & Gere, Inc.
P.O. Box 4873
Syracuse NY 13221-4873

-101T SDG#: DLL03-10TB

CAT No.	Analysis Name	CAS Number	Result	Method Detection Limit*	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		ug/l	ug/l	ug/l	
11997	m+p-Xylene	179601-23-1	N.D.	0.5	1	1
11997	o-Xylene	95-47-6	N.D.	0.5	1	1

Project defined calibration criteria are not met. The calibration is compliant with the method defined criteria.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs- 5ml Water by 8260C	SW-846 8260C	1	W153101AA	11/06/2015 14:21	Daniel H Heller	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	W153101AA	11/06/2015 14:21	Daniel H Heller	1

*=This limit was used in the evaluation of the final result

2015 Extraction Well and Leachate Collection Tank Laboratory Result Forms

2015 Extraction Well Laboratory Result Forms

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-02 (AS00825)

Collection Date: 01/14/2015 08:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-16-11	EPA Method 8260C	01/21/2015 14:14	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	100	100	U	MS11-16-11
1,1,1-Trichloroethane	71-55-6	ND	100	100	U	MS11-16-11
1,1,2,2-Tetrachloroethane	79-34-5	ND	100	100	U	MS11-16-11
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	100	100	U	MS11-16-11
1,1,2-Trichloroethane	79-00-5	ND	100	100	U	MS11-16-11
1,1-Dichloroethane	75-34-3	ND	100	100	U	MS11-16-11
1,1-Dichloroethene	75-35-4	ND	100	100	U	MS11-16-11
1,2,3-Trichlorobenzene	87-61-6	ND	100	100	U	MS11-16-11
1,2,4-Trichlorobenzene	120-82-1	**168**	100	100		MS11-16-11
1,2-Dibromo-3-chloropropane	96-12-8	ND	100	100	U	MS11-16-11
1,2-Dibromoethane	106-93-4	ND	100	100	U	MS11-16-11
1,2-Dichlorobenzene	95-50-1	ND	100	100	U	MS11-16-11
1,2-Dichloroethane	107-06-2	**180**	100	100		MS11-16-11
1,2-Dichloropropane	78-87-5	ND	100	100	U	MS11-16-11
1,3-Dichlorobenzene	541-73-1	ND	100	100	U	MS11-16-11
1,4-Dichlorobenzene	106-46-7	ND	100	100	U	MS11-16-11
2-Butanone	78-93-3	ND	500	100	U	MS11-16-11
2-Hexanone	591-78-6	ND	500	100	U	MS11-16-11
4-Methyl-2-pentanone	108-10-1	ND	500	100	U	MS11-16-11
Acetone	67-64-1	ND	1000	100	U	MS11-16-11
Benzene	71-43-2	**710**	100	100		MS11-16-11
Bromobenzene	108-86-1	ND	100	100	U	MS11-16-11
Bromochloromethane	74-97-5	ND	100	100	U	MS11-16-11
Bromodichloromethane	75-27-4	ND	100	100	U	MS11-16-11
Bromoform	75-25-2	ND	100	100	U	MS11-16-11
Bromomethane	74-83-9	ND	100	100	U	MS11-16-11
Carbon disulfide	75-15-0	ND	100	100	U	MS11-16-11
Carbon tetrachloride	56-23-5	ND	100	100	U	MS11-16-11
Chlorobenzene	108-90-7	**162**	100	100		MS11-16-11
Chloroethane	75-00-3	ND	100	100	U	MS11-16-11
Chloroform	67-66-3	**61.2**	100	100	J	MS11-16-11
Chloromethane	74-87-3	ND	100	100	U	MS11-16-11
cis-1,2-Dichloroethene	156-59-2	**572**	100	100		MS11-16-11
cis-1,3-Dichloropropene	10061-01-5	ND	100	100	U	MS11-16-11
Cyclohexane	110-82-7	ND	100	100	U	MS11-16-11
Dibromochloromethane	124-48-1	ND	100	100	U	MS11-16-11
Dichlorodifluoromethane	75-71-8	ND	100	100	U	MS11-16-11
Ethylbenzene	100-41-4	ND	100	100	U	MS11-16-11
Isopropylbenzene	98-82-8	ND	100	100	U	MS11-16-11
m&p-Xylene	136777-61-2	ND	100	100	U	MS11-16-11
Methyl acetate	79-20-9	ND	100	100	U	MS11-16-11
Methyl tert-butyl ether	1634-04-4	ND	100	100	U	MS11-16-11
Methylcyclohexane	108-87-2	ND	100	100	U	MS11-16-11
Methylene chloride	75-09-2	**188**	100	100		MS11-16-11
o-Xylene	95-47-6	ND	100	100	U	MS11-16-11

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-02 (AS00825)

Collection Date: 01/14/2015 08:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-16-11	EPA Method 8260C	01/21/2015 14:14	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Styrene	100-42-5	ND	100	100	U	MS11-16-11
Tetrachloroethene	127-18-4	ND	100	100	U	MS11-16-11
Toluene	108-88-3	**519**	100	100		MS11-16-11
Total Xylenes	1330-20-7	ND	100	100	U	MS11-16-11
trans-1,2-Dichloroethene	156-60-5	ND	100	100	U	MS11-16-11
trans-1,3-Dichloropropene	10061-02-6	ND	100	100	U	MS11-16-11
Trichloroethene	79-01-6	**6570**	100	100		MS11-16-11
Trichlorofluoromethane	75-69-4	ND	100	100	U	MS11-16-11
Vinyl chloride	75-01-4	ND	100	100	U	MS11-16-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	95.6	76.5-132		MS11-16-11
Dibromofluoromethane	1868-53-7	106	78.0-126		MS11-16-11
toluene-d8	2037-26-5	95.3	82.0-115		MS11-16-11
1,2-Dichloroethane-d4	17060-07-0	103	83.2-120		MS11-16-11

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for Dichlorodifluoromethane exceeded method established limits for the associated Continuing Calibration Verification sample. Samples are ND for this analyte. No bias indicated.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-03 (AS00826)

Collection Date: 01/14/2015 09:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-15-23	EPA Method 8260C	01/20/2015 19:41	TJH	NA	NA	N/A
Analysis 2:	MS11-16-12	EPA Method 8260C	01/21/2015 14:49	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	50.0	50.0	U	MS11-15-23
1,1,1-Trichloroethane	71-55-6	**135**	50.0	50.0		MS11-15-23
1,1,2,2-Tetrachloroethane	79-34-5	ND	50.0	50.0	U	MS11-15-23
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	50.0	50.0	U	MS11-15-23
1,1,2-Trichloroethane	79-00-5	ND	50.0	50.0	U	MS11-15-23
1,1-Dichloroethane	75-34-3	**150**	50.0	50.0		MS11-15-23
1,1-Dichloroethene	75-35-4	**63.6**	50.0	50.0		MS11-15-23
1,2,3-Trichlorobenzene	87-61-6	**260**	50.0	50.0		MS11-15-23
1,2,4-Trichlorobenzene	120-82-1	**1150**	50.0	50.0		MS11-15-23
1,2-Dibromo-3-chloropropane	96-12-8	ND	50.0	50.0	U	MS11-15-23
1,2-Dibromoethane	106-93-4	ND	50.0	50.0	U	MS11-15-23
1,2-Dichlorobenzene	95-50-1	**46.6**	50.0	50.0	J	MS11-15-23
1,2-Dichloroethane	107-06-2	**844**	50.0	50.0		MS11-15-23
1,2-Dichloropropane	78-87-5	ND	50.0	50.0	U	MS11-15-23
1,3-Dichlorobenzene	541-73-1	ND	50.0	50.0	U	MS11-15-23
1,4-Dichlorobenzene	106-46-7	**93.8**	50.0	50.0		MS11-15-23
2-Butanone	78-93-3	**142**	250	50.0	J	MS11-15-23
2-Hexanone	591-78-6	ND	250	50.0	U	MS11-15-23
4-Methyl-2-pentanone	108-10-1	**47.6**	250	50.0	J	MS11-15-23
Acetone	67-64-1	**1230**	500	50.0		MS11-15-23
Benzene	71-43-2	**3760**	50.0	50.0		MS11-15-23
Bromobenzene	108-86-1	ND	50.0	50.0	U	MS11-15-23
Bromochloromethane	74-97-5	ND	50.0	50.0	U	MS11-15-23
Bromodichloromethane	75-27-4	ND	50.0	50.0	U	MS11-15-23
Bromoform	75-25-2	ND	50.0	50.0	U	MS11-15-23
Bromomethane	74-83-9	ND	50.0	50.0	U	MS11-15-23
Carbon disulfide	75-15-0	ND	50.0	50.0	U	MS11-15-23
Carbon tetrachloride	56-23-5	ND	50.0	50.0	U	MS11-15-23
Chlorobenzene	108-90-7	**1180**	50.0	50.0		MS11-15-23
Chloroethane	75-00-3	ND	50.0	50.0	U	MS11-15-23
Chloroform	67-66-3	**889**	50.0	50.0		MS11-15-23
Chloromethane	74-87-3	ND	50.0	50.0	U	MS11-15-23
cis-1,2-Dichloroethene	156-59-2	**4850**	500	500		MS11-16-12
cis-1,3-Dichloropropene	10061-01-5	ND	50.0	50.0	U	MS11-15-23
Cyclohexane	110-82-7	ND	50.0	50.0	U	MS11-15-23
Dibromochloromethane	124-48-1	ND	50.0	50.0	U	MS11-15-23
Dichlorodifluoromethane	75-71-8	ND	50.0	50.0	U	MS11-15-23
Ethylbenzene	100-41-4	**256**	50.0	50.0		MS11-15-23
Isopropylbenzene	98-82-8	ND	50.0	50.0	U	MS11-15-23
m&p-Xylene	136777-61-2	**496**	50.0	50.0		MS11-15-23
Methyl acetate	79-20-9	ND	50.0	50.0	U	MS11-15-23
Methyl tert-butyl ether	1634-04-4	ND	50.0	50.0	U	MS11-15-23
Methylcyclohexane	108-87-2	ND	50.0	50.0	U	MS11-15-23
Methylene chloride	75-09-2	**2430**	50.0	50.0		MS11-15-23

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Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-03 (AS00826)

Collection Date: 01/14/2015 09:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-15-23	EPA Method 8260C	01/20/2015 19:41	TJH	NA	NA	N/A
Analysis 2:	MS11-16-12	EPA Method 8260C	01/21/2015 14:49	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
o-Xylene	95-47-6	**340**	50.0	50.0		MS11-15-23
Styrene	100-42-5	ND	50.0	50.0	U	MS11-15-23
Tetrachloroethene	127-18-4	**212**	50.0	50.0		MS11-15-23
Toluene	108-88-3	**5130**	500	500		MS11-16-12
Total Xylenes	1330-20-7	**836**	50.0	50.0		MS11-15-23
trans-1,2-Dichloroethene	156-60-5	ND	50.0	50.0	U	MS11-15-23
trans-1,3-Dichloropropene	10061-02-6	ND	50.0	50.0	U	MS11-15-23
Trichloroethene	79-01-6	**25900**	500	500		MS11-16-12
Trichlorofluoromethane	75-69-4	ND	50.0	50.0	U	MS11-15-23
Vinyl chloride	75-01-4	**143**	50.0	50.0		MS11-15-23

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	96.6	76.5-132		MS11-15-23
Dibromofluoromethane	1868-53-7	103	78.0-126		MS11-15-23
toluene-d8	2037-26-5	97.5	82.0-115		MS11-15-23
1,2-Dichloroethane-d4	17060-07-0	101	83.2-120		MS11-15-23

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for Dichlorodifluoromethane exceeded method established limits for the associated Continuing Calibration Verification sample. Samples are ND for this analyte. No bias indicated.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-04 (AS00827)

Collection Date: 01/14/2015 09:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-16-10	EPA Method 8260C	01/21/2015 13:45	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	200	200	U	MS11-16-10
1,1,1-Trichloroethane	71-55-6	ND	200	200	U	MS11-16-10
1,1,2,2-Tetrachloroethane	79-34-5	ND	200	200	U	MS11-16-10
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	200	200	U	MS11-16-10
1,1,2-Trichloroethane	79-00-5	ND	200	200	U	MS11-16-10
1,1-Dichloroethane	75-34-3	**112**	200	200	J	MS11-16-10
1,1-Dichloroethene	75-35-4	ND	200	200	U	MS11-16-10
1,2,3-Trichlorobenzene	87-61-6	ND	200	200	U	MS11-16-10
1,2,4-Trichlorobenzene	120-82-1	ND	200	200	U	MS11-16-10
1,2-Dibromo-3-chloropropane	96-12-8	ND	200	200	U	MS11-16-10
1,2-Dibromoethane	106-93-4	ND	200	200	U	MS11-16-10
1,2-Dichlorobenzene	95-50-1	ND	200	200	U	MS11-16-10
1,2-Dichloroethane	107-06-2	**335**	200	200		MS11-16-10
1,2-Dichloropropane	78-87-5	ND	200	200	U	MS11-16-10
1,3-Dichlorobenzene	541-73-1	ND	200	200	U	MS11-16-10
1,4-Dichlorobenzene	106-46-7	ND	200	200	U	MS11-16-10
2-Butanone	78-93-3	**277**	1000	200	J	MS11-16-10
2-Hexanone	591-78-6	ND	1000	200	U	MS11-16-10
4-Methyl-2-pentanone	108-10-1	**152**	1000	200	J	MS11-16-10
Acetone	67-64-1	**1170**	2000	200	J	MS11-16-10
Benzene	71-43-2	**11700**	200	200		MS11-16-10
Bromobenzene	108-86-1	ND	200	200	U	MS11-16-10
Bromochloromethane	74-97-5	ND	200	200	U	MS11-16-10
Bromodichloromethane	75-27-4	ND	200	200	U	MS11-16-10
Bromoform	75-25-2	ND	200	200	U	MS11-16-10
Bromomethane	74-83-9	ND	200	200	U	MS11-16-10
Carbon disulfide	75-15-0	ND	200	200	U	MS11-16-10
Carbon tetrachloride	56-23-5	ND	200	200	U	MS11-16-10
Chlorobenzene	108-90-7	**2380**	200	200		MS11-16-10
Chloroethane	75-00-3	ND	200	200	U	MS11-16-10
Chloroform	67-66-3	**113**	200	200	J	MS11-16-10
Chloromethane	74-87-3	ND	200	200	U	MS11-16-10
cis-1,2-Dichloroethene	156-59-2	**1910**	200	200		MS11-16-10
cis-1,3-Dichloropropene	10061-01-5	ND	200	200	U	MS11-16-10
Cyclohexane	110-82-7	ND	200	200	U	MS11-16-10
Dibromochloromethane	124-48-1	ND	200	200	U	MS11-16-10
Dichlorodifluoromethane	75-71-8	ND	200	200	U	MS11-16-10
Ethylbenzene	100-41-4	**198**	200	200	J	MS11-16-10
Isopropylbenzene	98-82-8	ND	200	200	U	MS11-16-10
m&p-Xylene	136777-61-2	**709**	200	200		MS11-16-10
Methyl acetate	79-20-9	ND	200	200	U	MS11-16-10
Methyl tert-butyl ether	1634-04-4	ND	200	200	U	MS11-16-10
Methylcyclohexane	108-87-2	ND	200	200	U	MS11-16-10
Methylene chloride	75-09-2	ND	200	200	U	MS11-16-10
o-Xylene	95-47-6	**238**	200	200		MS11-16-10

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-04 (AS00827)

Collection Date: 01/14/2015 09:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-16-10	EPA Method 8260C	01/21/2015 13:45	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Styrene	100-42-5	ND	200	200	U	MS11-16-10
Tetrachloroethene	127-18-4	ND	200	200	U	MS11-16-10
Toluene	108-88-3	**11900**	200	200		MS11-16-10
Total Xylenes	1330-20-7	**947**	200	200		MS11-16-10
trans-1,2-Dichloroethene	156-60-5	ND	200	200	U	MS11-16-10
trans-1,3-Dichloropropene	10061-02-6	ND	200	200	U	MS11-16-10
Trichloroethene	79-01-6	**626**	200	200		MS11-16-10
Trichlorofluoromethane	75-69-4	ND	200	200	U	MS11-16-10
Vinyl chloride	75-01-4	**342**	200	200		MS11-16-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	95.0	76.5-132		MS11-16-10
Dibromofluoromethane	1868-53-7	99.4	78.0-126		MS11-16-10
toluene-d8	2037-26-5	103	82.0-115		MS11-16-10
1,2-Dichloroethane-d4	17060-07-0	98.5	83.2-120		MS11-16-10

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for Dichlorodifluoromethane exceeded method established limits for the associated Continuing Calibration Verification sample. Samples are ND for this analyte. No bias indicated.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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: TRIP BLANK-1 011415
Lab Sample ID: 15010218-06 (AS00829)

Collection Date: 01/14/2015 08:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-15-6	EPA Method 8260C	01/20/2015 11:52	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.00	1.00	U	MS11-15-6
1,1,1-Trichloroethane	71-55-6	ND	1.00	1.00	U	MS11-15-6
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.00	1.00	U	MS11-15-6
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.00	1.00	U	MS11-15-6
1,1,2-Trichloroethane	79-00-5	ND	1.00	1.00	U	MS11-15-6
1,1-Dichloroethane	75-34-3	ND	1.00	1.00	U	MS11-15-6
1,1-Dichloroethene	75-35-4	ND	1.00	1.00	U	MS11-15-6
1,2,3-Trichlorobenzene	87-61-6	ND	1.00	1.00	U	MS11-15-6
1,2,4-Trichlorobenzene	120-82-1	ND	1.00	1.00	U	MS11-15-6
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.00	1.00	U	MS11-15-6
1,2-Dibromoethane	106-93-4	ND	1.00	1.00	U	MS11-15-6
1,2-Dichlorobenzene	95-50-1	ND	1.00	1.00	U	MS11-15-6
1,2-Dichloroethane	107-06-2	ND	1.00	1.00	U	MS11-15-6
1,2-Dichloropropane	78-87-5	ND	1.00	1.00	U	MS11-15-6
1,3-Dichlorobenzene	541-73-1	ND	1.00	1.00	U	MS11-15-6
1,4-Dichlorobenzene	106-46-7	ND	1.00	1.00	U	MS11-15-6
2-Butanone	78-93-3	ND	5.00	1.00	U	MS11-15-6
2-Hexanone	591-78-6	ND	5.00	1.00	U	MS11-15-6
4-Methyl-2-pentanone	108-10-1	ND	5.00	1.00	U	MS11-15-6
Acetone	67-64-1	ND	10.0	1.00	U	MS11-15-6
Benzene	71-43-2	ND	1.00	1.00	U	MS11-15-6
Bromobenzene	108-86-1	ND	1.00	1.00	U	MS11-15-6
Bromochloromethane	74-97-5	ND	1.00	1.00	U	MS11-15-6
Bromodichloromethane	75-27-4	ND	1.00	1.00	U	MS11-15-6
Bromoform	75-25-2	ND	1.00	1.00	U	MS11-15-6
Bromomethane	74-83-9	ND	1.00	1.00	U	MS11-15-6
Carbon disulfide	75-15-0	ND	1.00	1.00	U	MS11-15-6
Carbon tetrachloride	56-23-5	ND	1.00	1.00	U	MS11-15-6
Chlorobenzene	108-90-7	ND	1.00	1.00	U	MS11-15-6
Chloroethane	75-00-3	ND	1.00	1.00	U	MS11-15-6
Chloroform	67-66-3	ND	1.00	1.00	U	MS11-15-6
Chloromethane	74-87-3	ND	1.00	1.00	U	MS11-15-6
cis-1,2-Dichloroethene	156-59-2	ND	1.00	1.00	U	MS11-15-6
cis-1,3-Dichloropropene	10061-01-5	ND	1.00	1.00	U	MS11-15-6
Cyclohexane	110-82-7	ND	1.00	1.00	U	MS11-15-6
Dibromochloromethane	124-48-1	ND	1.00	1.00	U	MS11-15-6
Dichlorodifluoromethane	75-71-8	ND	1.00	1.00	U	MS11-15-6
Ethylbenzene	100-41-4	ND	1.00	1.00	U	MS11-15-6
Isopropylbenzene	98-82-8	ND	1.00	1.00	U	MS11-15-6
m&p-Xylene	136777-61-2	ND	1.00	1.00	U	MS11-15-6
Methyl acetate	79-20-9	ND	1.00	1.00	U	MS11-15-6
Methyl tert-butyl ether	1634-04-4	ND	1.00	1.00	U	MS11-15-6
Methylcyclohexane	108-87-2	ND	1.00	1.00	U	MS11-15-6
Methylene chloride	75-09-2	ND	1.00	1.00	U	MS11-15-6
o-Xylene	95-47-6	ND	1.00	1.00	U	MS11-15-6

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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: TRIP BLANK-1 011415
Lab Sample ID: 15010218-06 (AS00829)

Collection Date: 01/14/2015 08:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-15-6	EPA Method 8260C	01/20/2015 11:52	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Styrene	100-42-5	ND	1.00	1.00	U	MS11-15-6
Tetrachloroethene	127-18-4	ND	1.00	1.00	U	MS11-15-6
Toluene	108-88-3	ND	1.00	1.00	U	MS11-15-6
Total Xylenes	1330-20-7	ND	1.00	1.00	U	MS11-15-6
trans-1,2-Dichloroethene	156-60-5	ND	1.00	1.00	U	MS11-15-6
trans-1,3-Dichloropropene	10061-02-6	ND	1.00	1.00	U	MS11-15-6
Trichloroethene	79-01-6	ND	1.00	1.00	U	MS11-15-6
Trichlorofluoromethane	75-69-4	ND	1.00	1.00	U	MS11-15-6
Vinyl chloride	75-01-4	ND	1.00	1.00	U	MS11-15-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	95.9	76.5-132		MS11-15-6
Dibromofluoromethane	1868-53-7	98.3	78.0-126		MS11-15-6
toluene-d8	2037-26-5	99.3	82.0-115		MS11-15-6
1,2-Dichloroethane-d4	17060-07-0	97.3	83.2-120		MS11-15-6

[1]Qualifier 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.
The percent recovery for Dichlorodifluoromethane exceeded method established limits for the associated Continuing Calibration Verification sample. Samples are ND for this analyte. No bias indicated.

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Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-02 (AS00825)

Collection Date: 01/14/2015 08:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-17	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 14:57	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1040 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	ND	9.62	1.00	U	MS09-527-17
2,4,5-Trichlorophenol	95-95-4	ND	9.62	1.00	U	MS09-527-17
2,4,6-Trichlorophenol	88-06-2	ND	9.62	1.00	U	MS09-527-17
2,4-Dichlorophenol	120-83-2	ND	9.62	1.00	U	MS09-527-17
2,4-Dimethylphenol	105-67-9	**2.19**	9.62	1.00	J	MS09-527-17
2,4-Dinitrophenol	51-28-5	ND	9.62	1.00	U	MS09-527-17
2,4-Dinitrotoluene	121-14-2	ND	9.62	1.00	U	MS09-527-17
2,6-Dinitrotoluene	606-20-2	ND	9.62	1.00	U	MS09-527-17
2-Chloronaphthalene	91-58-7	ND	4.81	1.00	U	MS09-527-17
2-Chlorophenol	95-57-8	ND	9.62	1.00	U	MS09-527-17
2-Methylnaphthalene	91-57-6	ND	4.81	1.00	U	MS09-527-17
2-Methylphenol	95-48-7	**7.78**	9.62	1.00	J	MS09-527-17
2-Nitroaniline	88-74-4	ND	9.62	1.00	U	MS09-527-17
2-Nitrophenol	88-75-5	ND	9.62	1.00	U	MS09-527-17
3,3'-Dichlorobenzidine	91-94-1	ND	9.62	1.00	U	MS09-527-17
3-Nitroaniline	99-09-2	ND	9.62	1.00	U	MS09-527-17
4,6-Dinitro-2-methylphenol	534-52-1	ND	9.62	1.00	U	MS09-527-17
4-Bromophenyl-phenylether	101-55-3	ND	9.62	1.00	U	MS09-527-17
4-Chloro-3-methylphenol	59-50-7	ND	9.62	1.00	U	MS09-527-17
4-Chloroaniline	106-47-8	ND	9.62	1.00	U	MS09-527-17
4-Chlorophenyl-phenylether	7005-72-3	ND	9.62	1.00	U	MS09-527-17
4-Nitroaniline	100-01-6	ND	9.62	1.00	U	MS09-527-17
4-Nitrophenol	100-02-7	ND	9.62	1.00	U	MS09-527-17
Acenaphthene	83-32-9	ND	4.81	1.00	U	MS09-527-17
Acenaphthylene	208-96-8	ND	4.81	1.00	U	MS09-527-17
Anthracene	120-12-7	ND	4.81	1.00	U	MS09-527-17
Benzo(a)anthracene	56-55-3	ND	4.81	1.00	U	MS09-527-17
Benzo(a)pyrene	50-32-8	ND	4.81	1.00	U	MS09-527-17
Benzo(b)fluoranthene	205-99-2	ND	4.81	1.00	U	MS09-527-17
Benzo(g,h,i)perylene	191-24-2	ND	4.81	1.00	U	MS09-527-17
Benzo(k)fluoranthene	207-08-9	ND	4.81	1.00	U	MS09-527-17
bis(2-chloroethoxy)methane	111-91-1	ND	9.62	1.00	U	MS09-527-17
bis(2-chloroethyl)ether	111-44-4	ND	9.62	1.00	U	MS09-527-17
bis(2-Chloroisopropyl)ether	108-60-1	ND	9.62	1.00	U	MS09-527-17
bis(2-Ethylhexyl)phthalate	117-81-7	**2.06**	9.62	1.00	J	MS09-527-17
Butylbenzylphthalate	85-68-7	ND	9.62	1.00	U	MS09-527-17
Carbazole	86-74-8	ND	4.81	1.00	U	MS09-527-17
Chrysene	218-01-9	ND	4.81	1.00	U	MS09-527-17
Dibenz(a,h)anthracene	53-70-3	ND	4.81	1.00	U	MS09-527-17
Dibenzofuran	132-64-9	ND	4.81	1.00	U	MS09-527-17
Diethylphthalate	84-66-2	ND	9.62	1.00	U	MS09-527-17
Dimethylphthalate	131-11-3	ND	9.62	1.00	U	MS09-527-17
Di-n-butylphthalate	84-74-2	ND	9.62	1.00	U	MS09-527-17
Di-n-octylphthalate	117-84-0	ND	9.62	1.00	U	MS09-527-17

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-02 (AS00825)

Collection Date: 01/14/2015 08:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-17	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 14:57	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1040 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Fluoranthene	206-44-0	ND	4.81	1.00	U	MS09-527-17
Fluorene	86-73-7	ND	4.81	1.00	U	MS09-527-17
Hexachlorobenzene	118-74-1	ND	9.62	1.00	U	MS09-527-17
Hexachlorobutadiene	87-68-3	ND	9.62	1.00	U	MS09-527-17
Hexachlorocyclopentadiene	77-47-4	ND	9.62	1.00	U	MS09-527-17
Hexachloroethane	67-72-1	ND	9.62	1.00	U	MS09-527-17
Indeno(1,2,3-cd)pyrene	193-39-5	ND	4.81	1.00	U	MS09-527-17
Isophorone	78-59-1	ND	9.62	1.00	U	MS09-527-17
m & p-Methylphenol	108-39-4/106-44-5	**11.7**	9.62	1.00		MS09-527-17
Naphthalene	91-20-3	**1.17**	4.81	1.00	J	MS09-527-17
Nitrobenzene	98-95-3	ND	9.62	1.00	U	MS09-527-17
N-Nitroso-di-n-propylamine	621-64-7	ND	9.62	1.00	U	MS09-527-17
N-Nitrosodiphenylamine	86-30-6	ND	9.62	1.00	U	MS09-527-17
Pentachlorophenol	87-86-5	ND	9.62	1.00	U	MS09-527-17
Phenanthrene	85-01-8	ND	4.81	1.00	U	MS09-527-17
Phenol	108-95-2	**8.89**	9.62	1.00	J	MS09-527-17
Pyrene	129-00-0	ND	4.81	1.00	U	MS09-527-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	97.5	22.8-161		MS09-527-17
2-Fluorobiphenyl	321-60-8	74.2	26.3-121		MS09-527-17
2-Fluorophenol	367-12-4	31.9	10.0-86.4		MS09-527-17
Terphenyl-d14	1718-51-0	89.6	33.7-154		MS09-527-17
Nitrobenzene-d5	4165-60-0	60.2	12.7-139		MS09-527-17
Phenol-d6	13127-88-3	18.8	10.0-87.4		MS09-527-17

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for N-Nitrosodin-propylamine, hexachlorocyclopentadiene, phenol and phenol-d6 were below method established limits for the associated Continuing Calibration Verification Sample. Low analytical bias may be indicated.
The percent recovery for 2-Nitroaniline, 3-Nitroaniline and 4-Nitroaniline exceeded method established limits for the associated Continuing Calibration Verification Sample. Samples are ND for this analyte. No bias indicated.
The percent recovery for phenol was below quality control limits for the associated Laboratory Control Spike. Low analytical bias may be indicated.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-03 (AS00826)

Collection Date: 01/14/2015 09:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-18	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 15:16	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	**2.28**	18.7	2.00	J	MS09-527-18
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS09-527-18
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS09-527-18
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS09-527-18
2,4-Dimethylphenol	105-67-9	**17.8**	18.7	2.00	J	MS09-527-18
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS09-527-18
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS09-527-18
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS09-527-18
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS09-527-18
2-Chlorophenol	95-57-8	ND	18.7	2.00	U	MS09-527-18
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS09-527-18
2-Methylphenol	95-48-7	**58.1**	18.7	2.00		MS09-527-18
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS09-527-18
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS09-527-18
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS09-527-18
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS09-527-18
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS09-527-18
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS09-527-18
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS09-527-18
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS09-527-18
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS09-527-18
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS09-527-18
4-Nitrophenol	100-02-7	**3.79**	18.7	2.00	J	MS09-527-18
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS09-527-18
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS09-527-18
Anthracene	120-12-7	ND	9.35	2.00	U	MS09-527-18
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS09-527-18
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS09-527-18
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS09-527-18
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS09-527-18
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS09-527-18
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS09-527-18
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS09-527-18
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS09-527-18
bis(2-Ethylhexyl)phthalate	117-81-7	ND	18.7	2.00	U	MS09-527-18
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS09-527-18
Carbazole	86-74-8	ND	9.35	2.00	U	MS09-527-18
Chrysene	218-01-9	ND	9.35	2.00	U	MS09-527-18
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS09-527-18
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS09-527-18
Diethylphthalate	84-66-2	ND	18.7	2.00	U	MS09-527-18
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS09-527-18
Di-n-butylphthalate	84-74-2	ND	18.7	2.00	U	MS09-527-18
Di-n-octylphthalate	117-84-0	**10.2**	18.7	2.00	J	MS09-527-18

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-03 (AS00826)

Collection Date: 01/14/2015 09:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-18	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 15:16	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS09-527-18
Fluorene	86-73-7	ND	9.35	2.00	U	MS09-527-18
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS09-527-18
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS09-527-18
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS09-527-18
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS09-527-18
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS09-527-18
Isophorone	78-59-1	**3.44**	18.7	2.00	J	MS09-527-18
m & p-Methylphenol	108-39-4/106-44-5	**145**	18.7	2.00		MS09-527-18
Naphthalene	91-20-3	**8.30**	9.35	2.00	J	MS09-527-18
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS09-527-18
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS09-527-18
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS09-527-18
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS09-527-18
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS09-527-18
Phenol	108-95-2	**83.2**	18.7	2.00		MS09-527-18
Pyrene	129-00-0	ND	9.35	2.00	U	MS09-527-18

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	108	22.8-161		MS09-527-18
2-Fluorobiphenyl	321-60-8	86.7	26.3-121		MS09-527-18
2-Fluorophenol	367-12-4	35.8	10.0-86.4		MS09-527-18
Terphenyl-d14	1718-51-0	87.5	33.7-154		MS09-527-18
Nitrobenzene-d5	4165-60-0	74.8	12.7-139		MS09-527-18
Phenol-d6	13127-88-3	22.2	10.0-87.4		MS09-527-18

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for N-Nitrosodin-propylamine, hexachlorocyclopentadiene, phenol and phenol-d6 were below method established limits for the associated Continuing Calibration Verification Sample. Low analytical bias may be indicated.
The percent recovery for 2-Nitroaniline, 3-Nitroaniline and 4-Nitroaniline exceeded method established limits for the associated Continuing Calibration Verification Sample. Samples are ND for this analyte. No bias indicated.
The percent recovery for phenol was below quality control limits for the associated Laboratory Control Spike. Low analytical bias may be indicated.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-04 (AS00827)

Collection Date: 01/14/2015 09:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-19	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 15:35	RMS	NA	NA	N/A
Analysis 2:	MS09-527-20	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 15:54	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	**2.22**	18.7	2.00	J	MS09-527-19
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS09-527-19
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS09-527-19
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS09-527-19
2,4-Dimethylphenol	105-67-9	**77.4**	18.7	2.00		MS09-527-19
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS09-527-19
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS09-527-19
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS09-527-19
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS09-527-19
2-Chlorophenol	95-57-8	**8.68**	18.7	2.00	J	MS09-527-19
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS09-527-19
2-Methylphenol	95-48-7	**152**	18.7	2.00		MS09-527-19
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS09-527-19
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS09-527-19
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS09-527-19
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS09-527-19
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS09-527-19
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS09-527-19
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS09-527-19
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS09-527-19
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS09-527-19
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS09-527-19
4-Nitrophenol	100-02-7	ND	18.7	2.00	U	MS09-527-19
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS09-527-19
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS09-527-19
Anthracene	120-12-7	ND	9.35	2.00	U	MS09-527-19
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS09-527-19
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS09-527-19
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS09-527-19
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS09-527-19
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS09-527-19
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS09-527-19
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS09-527-19
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS09-527-19
bis(2-Ethylhexyl)phthalate	117-81-7	ND	18.7	2.00	U	MS09-527-19
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS09-527-19
Carbazole	86-74-8	ND	9.35	2.00	U	MS09-527-19
Chrysene	218-01-9	ND	9.35	2.00	U	MS09-527-19
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS09-527-19
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS09-527-19
Diethylphthalate	84-66-2	ND	18.7	2.00	U	MS09-527-19
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS09-527-19
Di-n-butylphthalate	84-74-2	ND	18.7	2.00	U	MS09-527-19

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-04 (AS00827)

Collection Date: 01/14/2015 09:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-19	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 15:35	RMS	NA	NA	N/A
Analysis 2:	MS09-527-20	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 15:54	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Di-n-octylphthalate	117-84-0	ND	18.7	2.00	U	MS09-527-19
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS09-527-19
Fluorene	86-73-7	ND	9.35	2.00	U	MS09-527-19
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS09-527-19
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS09-527-19
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS09-527-19
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS09-527-19
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS09-527-19
Isophorone	78-59-1	ND	18.7	2.00	U	MS09-527-19
m & p-Methylphenol	108-39-4/106-44-5	**608**	187	20.0		MS09-527-20
Naphthalene	91-20-3	ND	9.35	2.00	U	MS09-527-19
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS09-527-19
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS09-527-19
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS09-527-19
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS09-527-19
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS09-527-19
Phenol	108-95-2	**127**	18.7	2.00		MS09-527-19
Pyrene	129-00-0	ND	9.35	2.00	U	MS09-527-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	105	22.8-161		MS09-527-19
2-Fluorobiphenyl	321-60-8	79.5	26.3-121		MS09-527-19
2-Fluorophenol	367-12-4	36.5	10.0-86.4		MS09-527-19
Terphenyl-d14	1718-51-0	80.1	33.7-154		MS09-527-19
Nitrobenzene-d5	4165-60-0	64.1	12.7-139		MS09-527-19
Phenol-d6	13127-88-3	23.3	10.0-87.4		MS09-527-19

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for N-Nitrosodin-propylamine, hexachlorocyclopentadiene, phenol and phenol-d6 were below method established limits for the associated Continuing Calibration Verification Sample. Low analytical bias may be indicated.
The percent recovery for 2-Nitroaniline, 3-Nitroaniline and 4-Nitroaniline exceeded method established limits for the associated Continuing Calibration Verification Sample. Samples are ND for this analyte. No bias indicated.
The percent recovery for phenol was below quality control limits for the associated Laboratory Control Spike. Low analytical bias may be indicated.

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-02 (AS00825)

Collection Date: 01/14/2015 08:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1529-23	SW-846 Method 8082A	01/22/2015 18:12	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	29948	EPA 3535A	01/21/2015 13:02	KEN	1070 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-1529-23
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1529-23
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1529-23
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1529-23
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1529-23
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1529-23
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1529-23
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1529-23

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	87.3	60.0-140		GC28F-1529-23
Decachlorobiphenyl	2051-24-3	102	60.0-140		GC28F-1529-23
Tetrachloro-meta-xylene	877-09-8	81.2	60.0-140		GC28B-1527-23
Decachlorobiphenyl	2051-24-3	98.2	60.0-140		GC28B-1527-23

[1]Qualifier 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: 15010218

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 011415
Lab Sample ID: 15010218-03 (AS00826)

Collection Date: 01/14/2015 09:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1529-24	SW-846 Method 8082A	01/22/2015 18:25	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	29948	EPA 3535A	01/21/2015 13:02	KEN	1070 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-1529-24
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1529-24
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1529-24
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1529-24
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1529-24
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1529-24
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1529-24
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1529-24

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	83.6	60.0-140		GC28F-1529-24
Decachlorobiphenyl	2051-24-3	101	60.0-140		GC28F-1529-24
Tetrachloro-meta-xylene	877-09-8	81.2	60.0-140		GC28B-1527-24
Decachlorobiphenyl	2051-24-3	99.5	60.0-140		GC28B-1527-24

[1]Qualifier 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: 15010218

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 011415
Lab Sample ID: 15010218-04 (AS00827)

Collection Date: 01/14/2015 09:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1530-4	SW-846 Method 8082A	01/23/2015 08:47	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	29948	EPA 3535A	01/21/2015 13:02	KEN	1070 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-1530-4
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1530-4
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1530-4
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1530-4
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1530-4
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1530-4
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1530-4
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1530-4

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	95.8	60.0-140		GC28F-1530-4
Decachlorobiphenyl	2051-24-3	104	60.0-140		GC28F-1530-4
Tetrachloro-meta-xylene	877-09-8	81.2	60.0-140		GC28B-1528-4
Decachlorobiphenyl	2051-24-3	93.8	60.0-140		GC28B-1528-4

[1]Qualifier 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: 15010218

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 011415
Lab Sample ID: 15010218-02 (AS00825)

Collection Date: 01/14/2015 08:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1476-85	SW-846 6010C	01/20/2015 14:15	LMS	NA	NA	NA
Prep 1:	5352	EPA 3005A	01/19/2015 09:24	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	**0.0231**	0.0500	1.00	J	ICP2-1476-85
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1476-85
Arsenic	7440-38-2	**0.00867**	0.00500	1.00		ICP2-1476-85
Barium	7440-39-3	**0.0622**	0.00500	1.00	B	ICP2-1476-85
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1476-85
Cadmium	7440-43-9	**0.000123**	0.00400	1.00	J	ICP2-1476-85
Calcium	7440-70-2	**22.4**	0.500	1.00		ICP2-1476-85
Chromium	7440-47-3	ND	0.00500	1.00	U	ICP2-1476-85
Cobalt	7440-48-4	ND	0.00500	1.00	U	ICP2-1476-85
Copper	7440-50-8	**0.0435**	0.00500	1.00		ICP2-1476-85
Iron	7439-89-6	**0.0512**	0.0500	1.00		ICP2-1476-85
Lead	7439-92-1	**0.0163**	0.00500	1.00		ICP2-1476-85
Magnesium	7439-95-4	**4.71**	0.500	1.00		ICP2-1476-85
Manganese	7439-96-5	**0.273**	0.00500	1.00		ICP2-1476-85
Nickel	7440-02-0	**0.000731**	0.00500	1.00	J	ICP2-1476-85
Potassium	7440-09-7	**0.687**	0.500	1.00		ICP2-1476-85
Selenium	7782-49-2	ND	0.0100	1.00	U	ICP2-1476-85
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1476-85
Sodium	7440-23-5	**50.5**	0.500	1.00		ICP2-1476-85
Thallium	7440-28-0	ND	0.0100	1.00	U	ICP2-1476-85
Vanadium	7440-62-2	ND	0.00500	1.00	U	ICP2-1476-85
Zinc	7440-66-6	**0.233**	0.00500	1.00		ICP2-1476-85

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-03 (AS00826)

Collection Date: 01/14/2015 09:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1476-86	SW-846 6010C	01/20/2015 14:17	LMS	NA	NA	NA
Prep 1:	5352	EPA 3005A	01/19/2015 09:24	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	**0.0440**	0.0500	1.00	J	ICP2-1476-86
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1476-86
Arsenic	7440-38-2	**0.00739**	0.00500	1.00		ICP2-1476-86
Barium	7440-39-3	**0.174**	0.00500	1.00	B	ICP2-1476-86
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1476-86
Cadmium	7440-43-9	ND	0.00400	1.00	U	ICP2-1476-86
Calcium	7440-70-2	**20.3**	0.500	1.00		ICP2-1476-86
Chromium	7440-47-3	ND	0.00500	1.00	U	ICP2-1476-86
Cobalt	7440-48-4	ND	0.00500	1.00	U	ICP2-1476-86
Copper	7440-50-8	**0.0118**	0.00500	1.00		ICP2-1476-86
Iron	7439-89-6	**0.0582**	0.0500	1.00		ICP2-1476-86
Lead	7439-92-1	**0.00219**	0.00500	1.00	J	ICP2-1476-86
Magnesium	7439-95-4	**4.94**	0.500	1.00		ICP2-1476-86
Manganese	7439-96-5	**0.426**	0.00500	1.00		ICP2-1476-86
Nickel	7440-02-0	ND	0.00500	1.00	U	ICP2-1476-86
Potassium	7440-09-7	**0.470**	0.500	1.00	J	ICP2-1476-86
Selenium	7782-49-2	ND	0.0100	1.00	U	ICP2-1476-86
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1476-86
Sodium	7440-23-5	**44.4**	0.500	1.00		ICP2-1476-86
Thallium	7440-28-0	**0.00341**	0.0100	1.00	J	ICP2-1476-86
Vanadium	7440-62-2	ND	0.00500	1.00	U	ICP2-1476-86
Zinc	7440-66-6	**0.538**	0.00500	1.00		ICP2-1476-86

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415
Lab Sample ID: 15010218-04 (AS00827)

Collection Date: 01/14/2015 09:45
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1476-87	SW-846 6010C	01/20/2015 14:20	LMS	NA	NA	NA
Prep 1:	5352	EPA 3005A	01/19/2015 09:24	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	ND	0.0500	1.00	U	ICP2-1476-87
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1476-87
Arsenic	7440-38-2	**0.00340**	0.00500	1.00	J	ICP2-1476-87
Barium	7440-39-3	**0.855**	0.00500	1.00	B	ICP2-1476-87
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1476-87
Cadmium	7440-43-9	ND	0.00400	1.00	U	ICP2-1476-87
Calcium	7440-70-2	**23.6**	0.500	1.00		ICP2-1476-87
Chromium	7440-47-3	ND	0.00500	1.00	U	ICP2-1476-87
Cobalt	7440-48-4	ND	0.00500	1.00	U	ICP2-1476-87
Copper	7440-50-8	**0.0721**	0.00500	1.00		ICP2-1476-87
Iron	7439-89-6	**0.0219**	0.0500	1.00	J	ICP2-1476-87
Lead	7439-92-1	**0.00217**	0.00500	1.00	J	ICP2-1476-87
Magnesium	7439-95-4	**1.23**	0.500	1.00		ICP2-1476-87
Manganese	7439-96-5	**0.257**	0.00500	1.00		ICP2-1476-87
Nickel	7440-02-0	**0.000761**	0.00500	1.00	J	ICP2-1476-87
Potassium	7440-09-7	**1.02**	0.500	1.00		ICP2-1476-87
Selenium	7782-49-2	ND	0.0100	1.00	U	ICP2-1476-87
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1476-87
Sodium	7440-23-5	**211**	0.500	1.00		ICP2-1476-87
Thallium	7440-28-0	ND	0.0100	1.00	U	ICP2-1476-87
Vanadium	7440-62-2	ND	0.00500	1.00	U	ICP2-1476-87
Zinc	7440-66-6	**0.984**	0.00500	1.00		ICP2-1476-87

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1500333
Project:	15010216 Dewey Loeffel	**Date Collected:**	1/14/15 0845
Sample Matrix:	Water	**Date Received:**	1/15/15
		Date Extracted:	1/16/15
		Date Analyzed:	1/16/15 13:27
Sample Name:	EW-1 011415	**Units:**	µg/L
Lab Code:	R1500333-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	429459
Prep Method:	EPA 3535A	**Extraction Lot:**	227442
Data File Name:	I:\ACQUDATA\5975E\data\011615\AH979.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	9.6		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	94	57-118	1/16/15 13:27	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1500333
Project:	15010216 Dewey Loeffel	**Date Collected:**	1/14/15 0915
Sample Matrix:	Water	**Date Received:**	1/15/15
		Date Extracted:	1/16/15
		Date Analyzed:	1/16/15 13:45
Sample Name:	EW-2 011415	**Units:**	µg/L
Lab Code:	R1500333-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	429459
Prep Method:	EPA 3535A	**Extraction Lot:**	227442
Data File Name:	I:\ACQUDATA\5975E\data\011615\AH980.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	61		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	91	57-118	1/16/15 13:45	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1500333
Project:	15010216 Dewey Loeffel	**Date Collected:**	1/14/15 0945
Sample Matrix:	Water	**Date Received:**	1/15/15
		Date Extracted:	1/16/15
		Date Analyzed:	1/19/15 09:58
Sample Name:	EW-3 011415	**Units:**	µg/L
Lab Code:	R1500333-004	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	429622
Prep Method:	EPA 3535A	**Extraction Lot:**	227442
Data File Name:	I:\ACQUDATA\5975E\data\011915\AI020.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**290**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	102	57-118	1/19/15 09:58	

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Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-02 (AS03144)

Collection Date: 02/11/2015 09:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-12	EPA Method 8260C	02/12/2015 14:08	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-365-22	EPA Method 8260C	02/12/2015 18:31	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	20.0	20.0	U	MS10-365-22
1,1,1-Trichloroethane	71-55-6	**10.8**	20.0	20.0	J	MS10-365-22
1,1,2,2-Tetrachloroethane	79-34-5	ND	20.0	20.0	U	MS10-365-22
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	20.0	20.0	U	MS10-365-22
1,1,2-Trichloroethane	79-00-5	ND	20.0	20.0	U	MS10-365-22
1,1-Dichloroethane	75-34-3	**31.1**	20.0	20.0		MS10-365-22
1,1-Dichloroethene	75-35-4	**15.3**	20.0	20.0	J	MS10-365-22
1,2,3-Trichlorobenzene	87-61-6	**26.4**	20.0	20.0		MS10-365-22
1,2,4-Trichlorobenzene	120-82-1	**120**	20.0	20.0		MS10-365-22
1,2-Dibromo-3-chloropropane	96-12-8	ND	20.0	20.0	U	MS10-365-22
1,2-Dibromoethane	106-93-4	ND	20.0	20.0	U	MS10-365-22
1,2-Dichlorobenzene	95-50-1	ND	20.0	20.0	U	MS10-365-22
1,2-Dichloroethane	107-06-2	**137**	20.0	20.0		MS10-365-22
1,2-Dichloropropane	78-87-5	ND	20.0	20.0	U	MS10-365-22
1,3-Dichlorobenzene	541-73-1	ND	20.0	20.0	U	MS10-365-22
1,4-Dichlorobenzene	106-46-7	**12.0**	20.0	20.0	J	MS10-365-22
2-Butanone	78-93-3	ND	100	20.0	U	MS10-365-22
2-Hexanone	591-78-6	ND	100	20.0	U	MS10-365-22
4-Methyl-2-pentanone	108-10-1	ND	100	20.0	U	MS10-365-22
Acetone	67-64-1	ND	200	20.0	U	MS10-365-22
Benzene	71-43-2	**475**	20.0	20.0		MS10-365-22
Bromobenzene	108-86-1	ND	20.0	20.0	U	MS10-365-22
Bromochloromethane	74-97-5	ND	20.0	20.0	U	MS10-365-22
Bromodichloromethane	75-27-4	ND	20.0	20.0	U	MS10-365-22
Bromoform	75-25-2	ND	20.0	20.0	U	MS10-365-22
Bromomethane	74-83-9	ND	20.0	20.0	U	MS10-365-22
Carbon disulfide	75-15-0	ND	20.0	20.0	U	MS10-365-22
Carbon tetrachloride	56-23-5	ND	20.0	20.0	U	MS10-365-22
Chlorobenzene	108-90-7	**112**	20.0	20.0		MS10-365-22
Chloroethane	75-00-3	ND	20.0	20.0	U	MS10-365-22
Chloroform	67-66-3	**41.9**	20.0	20.0		MS10-365-22
Chloromethane	74-87-3	ND	20.0	20.0	U	MS10-365-22
cis-1,2-Dichloroethene	156-59-2	**399**	20.0	20.0		MS10-365-22
cis-1,3-Dichloropropene	10061-01-5	ND	20.0	20.0	U	MS10-365-22
Cyclohexane	110-82-7	ND	20.0	20.0	U	MS10-365-22
Dibromochloromethane	124-48-1	ND	20.0	20.0	U	MS10-365-22
Dichlorodifluoromethane	75-71-8	ND	20.0	20.0	U	MS10-365-22
Ethylbenzene	100-41-4	**25.5**	20.0	20.0		MS10-365-22
Isopropylbenzene	98-82-8	ND	20.0	20.0	U	MS10-365-22
m&p-Xylene	136777-61-2	**30.7**	20.0	20.0		MS10-365-22
Methyl acetate	79-20-9	ND	20.0	20.0	U	MS10-365-22
Methyl tert-butyl ether	1634-04-4	ND	20.0	20.0	U	MS10-365-22
Methylcyclohexane	108-87-2	ND	20.0	20.0	U	MS10-365-22
Methylene chloride	75-09-2	**150**	20.0	20.0		MS10-365-22

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-02 (AS03144)

Collection Date: 02/11/2015 09:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-12	EPA Method 8260C	02/12/2015 14:08	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-365-22	EPA Method 8260C	02/12/2015 18:31	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
o-Xylene	95-47-6	**33.5**	20.0	20.0		MS10-365-22
Styrene	100-42-5	ND	20.0	20.0	U	MS10-365-22
Tetrachloroethene	127-18-4	**33.0**	20.0	20.0		MS10-365-22
Toluene	108-88-3	**296**	20.0	20.0		MS10-365-22
Total Xylenes	1330-20-7	**64.2**	20.0	20.0		MS10-365-22
trans-1,2-Dichloroethene	156-60-5	ND	20.0	20.0	U	MS10-365-22
trans-1,3-Dichloropropene	10061-02-6	ND	20.0	20.0	U	MS10-365-22
Trichloroethene	79-01-6	**6060**	100	100		MS10-365-12
Trichlorofluoromethane	75-69-4	ND	20.0	20.0	U	MS10-365-22
Vinyl chloride	75-01-4	**18.3**	20.0	20.0	J	MS10-365-22

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	106	76.5-132		MS10-365-22
Dibromofluoromethane	1868-53-7	96.2	78.0-126		MS10-365-22
toluene-d8	2037-26-5	102	82.0-115		MS10-365-22
1,2-Dichloroethane-d4	17060-07-0	110	83.2-120		MS10-365-22

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-03 (AS03145)

Collection Date: 02/11/2015 10:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-13	EPA Method 8260C	02/12/2015 14:35	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-367-8	EPA Method 8260C	02/13/2015 12:55	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	50.0	50.0	U	MS10-367-8
1,1,1-Trichloroethane	71-55-6	**99.8**	50.0	50.0		MS10-367-8
1,1,2,2-Tetrachloroethane	79-34-5	ND	50.0	50.0	U	MS10-367-8
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	50.0	50.0	U	MS10-367-8
1,1,2-Trichloroethane	79-00-5	ND	50.0	50.0	U	MS10-367-8
1,1-Dichloroethane	75-34-3	**110**	50.0	50.0		MS10-367-8
1,1-Dichloroethene	75-35-4	**43.4**	50.0	50.0	J	MS10-367-8
1,2,3-Trichlorobenzene	87-61-6	**208**	50.0	50.0		MS10-367-8
1,2,4-Trichlorobenzene	120-82-1	**912**	50.0	50.0		MS10-367-8
1,2-Dibromo-3-chloropropane	96-12-8	ND	50.0	50.0	U	MS10-367-8
1,2-Dibromoethane	106-93-4	ND	50.0	50.0	U	MS10-367-8
1,2-Dichlorobenzene	95-50-1	**32.4**	50.0	50.0	J	MS10-367-8
1,2-Dichloroethane	107-06-2	**730**	50.0	50.0		MS10-367-8
1,2-Dichloropropane	78-87-5	ND	50.0	50.0	U	MS10-367-8
1,3-Dichlorobenzene	541-73-1	ND	50.0	50.0	U	MS10-367-8
1,4-Dichlorobenzene	106-46-7	**69.7**	50.0	50.0		MS10-367-8
2-Butanone	78-93-3	**102**	250	50.0	J	MS10-367-8
2-Hexanone	591-78-6	ND	250	50.0	U	MS10-367-8
4-Methyl-2-pentanone	108-10-1	**35.9**	250	50.0	J	MS10-367-8
Acetone	67-64-1	**567**	500	50.0		MS10-367-8
Benzene	71-43-2	**2690**	50.0	50.0		MS10-367-8
Bromobenzene	108-86-1	ND	50.0	50.0	U	MS10-367-8
Bromochloromethane	74-97-5	ND	50.0	50.0	U	MS10-367-8
Bromodichloromethane	75-27-4	ND	50.0	50.0	U	MS10-367-8
Bromoform	75-25-2	ND	50.0	50.0	U	MS10-367-8
Bromomethane	74-83-9	ND	50.0	50.0	U	MS10-367-8
Carbon disulfide	75-15-0	ND	50.0	50.0	U	MS10-367-8
Carbon tetrachloride	56-23-5	ND	50.0	50.0	U	MS10-367-8
Chlorobenzene	108-90-7	**858**	50.0	50.0		MS10-367-8
Chloroethane	75-00-3	ND	50.0	50.0	U	MS10-367-8
Chloroform	67-66-3	**681**	50.0	50.0		MS10-367-8
Chloromethane	74-87-3	ND	50.0	50.0	U	MS10-367-8
cis-1,2-Dichloroethene	156-59-2	**3510**	50.0	50.0		MS10-367-8
cis-1,3-Dichloropropene	10061-01-5	ND	50.0	50.0	U	MS10-367-8
Cyclohexane	110-82-7	ND	50.0	50.0	U	MS10-367-8
Dibromochloromethane	124-48-1	ND	50.0	50.0	U	MS10-367-8
Dichlorodifluoromethane	75-71-8	ND	50.0	50.0	U	MS10-367-8
Ethylbenzene	100-41-4	**183**	50.0	50.0		MS10-367-8
Isopropylbenzene	98-82-8	ND	50.0	50.0	U	MS10-367-8
m&p-Xylene	136777-61-2	**382**	50.0	50.0		MS10-367-8
Methyl acetate	79-20-9	ND	50.0	50.0	U	MS10-367-8
Methyl tert-butyl ether	1634-04-4	ND	50.0	50.0	U	MS10-367-8
Methylcyclohexane	108-87-2	ND	50.0	50.0	U	MS10-367-8
Methylene chloride	75-09-2	**1970**	50.0	50.0		MS10-367-8

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-03 (AS03145)

Collection Date: 02/11/2015 10:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-13	EPA Method 8260C	02/12/2015 14:35	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-367-8	EPA Method 8260C	02/13/2015 12:55	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
o-Xylene	95-47-6	**243**	50.0	50.0		MS10-367-8
Styrene	100-42-5	ND	50.0	50.0	U	MS10-367-8
Tetrachloroethene	127-18-4	**157**	50.0	50.0		MS10-367-8
Toluene	108-88-3	**4330**	50.0	50.0		MS10-367-8
Total Xylenes	1330-20-7	**625**	50.0	50.0		MS10-367-8
trans-1,2-Dichloroethene	156-60-5	ND	50.0	50.0	U	MS10-367-8
trans-1,3-Dichloropropene	10061-02-6	ND	50.0	50.0	U	MS10-367-8
Trichloroethene	79-01-6	**23400**	500	500		MS10-365-13
Trichlorofluoromethane	75-69-4	ND	50.0	50.0	U	MS10-367-8
Vinyl chloride	75-01-4	**130**	50.0	50.0		MS10-367-8

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	103	76.5-132		MS10-367-8
Dibromofluoromethane	1868-53-7	95.5	78.0-126		MS10-367-8
toluene-d8	2037-26-5	99.6	82.0-115		MS10-367-8
1,2-Dichloroethane-d4	17060-07-0	110	83.2-120		MS10-367-8

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115 (Blind Dup of EW-2)
Lab Sample ID: 15020172-05 (AS03147)

Collection Date: 02/11/2015
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-15	EPA Method 8260C	02/12/2015 15:28	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-367-10	EPA Method 8260C	02/13/2015 13:47	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	50.0	50.0	U	MS10-367-10
1,1,1-Trichloroethane	71-55-6	**97.5**	50.0	50.0		MS10-367-10
1,1,2,2-Tetrachloroethane	79-34-5	ND	50.0	50.0	U	MS10-367-10
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	50.0	50.0	U	MS10-367-10
1,1,2-Trichloroethane	79-00-5	ND	50.0	50.0	U	MS10-367-10
1,1-Dichloroethane	75-34-3	**110**	50.0	50.0		MS10-367-10
1,1-Dichloroethene	75-35-4	**43.1**	50.0	50.0	J	MS10-367-10
1,2,3-Trichlorobenzene	87-61-6	**185**	50.0	50.0		MS10-367-10
1,2,4-Trichlorobenzene	120-82-1	**899**	50.0	50.0		MS10-367-10
1,2-Dibromo-3-chloropropane	96-12-8	ND	50.0	50.0	U	MS10-367-10
1,2-Dibromoethane	106-93-4	ND	50.0	50.0	U	MS10-367-10
1,2-Dichlorobenzene	95-50-1	**33.0**	50.0	50.0	J	MS10-367-10
1,2-Dichloroethane	107-06-2	**720**	50.0	50.0		MS10-367-10
1,2-Dichloropropane	78-87-5	ND	50.0	50.0	U	MS10-367-10
1,3-Dichlorobenzene	541-73-1	ND	50.0	50.0	U	MS10-367-10
1,4-Dichlorobenzene	106-46-7	**70.2**	50.0	50.0		MS10-367-10
2-Butanone	78-93-3	**94.3**	250	50.0	J	MS10-367-10
2-Hexanone	591-78-6	ND	250	50.0	U	MS10-367-10
4-Methyl-2-pentanone	108-10-1	**37.0**	250	50.0	J	MS10-367-10
Acetone	67-64-1	**515**	500	50.0		MS10-367-10
Benzene	71-43-2	**2650**	50.0	50.0		MS10-367-10
Bromobenzene	108-86-1	ND	50.0	50.0	U	MS10-367-10
Bromochloromethane	74-97-5	ND	50.0	50.0	U	MS10-367-10
Bromodichloromethane	75-27-4	ND	50.0	50.0	U	MS10-367-10
Bromoform	75-25-2	ND	50.0	50.0	U	MS10-367-10
Bromomethane	74-83-9	ND	50.0	50.0	U	MS10-367-10
Carbon disulfide	75-15-0	ND	50.0	50.0	U	MS10-367-10
Carbon tetrachloride	56-23-5	ND	50.0	50.0	U	MS10-367-10
Chlorobenzene	108-90-7	**834**	50.0	50.0		MS10-367-10
Chloroethane	75-00-3	ND	50.0	50.0	U	MS10-367-10
Chloroform	67-66-3	**669**	50.0	50.0		MS10-367-10
Chloromethane	74-87-3	ND	50.0	50.0	U	MS10-367-10
cis-1,2-Dichloroethene	156-59-2	**3420**	50.0	50.0		MS10-367-10
cis-1,3-Dichloropropene	10061-01-5	ND	50.0	50.0	U	MS10-367-10
Cyclohexane	110-82-7	ND	50.0	50.0	U	MS10-367-10
Dibromochloromethane	124-48-1	ND	50.0	50.0	U	MS10-367-10
Dichlorodifluoromethane	75-71-8	ND	50.0	50.0	U	MS10-367-10
Ethylbenzene	100-41-4	**183**	50.0	50.0		MS10-367-10
Isopropylbenzene	98-82-8	ND	50.0	50.0	U	MS10-367-10
m&p-Xylene	136777-61-2	**380**	50.0	50.0		MS10-367-10
Methyl acetate	79-20-9	ND	50.0	50.0	U	MS10-367-10
Methyl tert-butyl ether	1634-04-4	ND	50.0	50.0	U	MS10-367-10
Methylcyclohexane	108-87-2	ND	50.0	50.0	U	MS10-367-10
Methylene chloride	75-09-2	**1950**	50.0	50.0		MS10-367-10

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: DUP 021115 (Blind Dup of EW-2)
Lab Sample ID: 15020172-05 (AS03147)

Collection Date: 02/11/2015
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-15	EPA Method 8260C	02/12/2015 15:28	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-367-10	EPA Method 8260C	02/13/2015 13:47	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
o-Xylene	95-47-6	**238**	50.0	50.0		MS10-367-10
Styrene	100-42-5	ND	50.0	50.0	U	MS10-367-10
Tetrachloroethene	127-18-4	**153**	50.0	50.0		MS10-367-10
Toluene	108-88-3	**4230**	50.0	50.0		MS10-367-10
Total Xylenes	1330-20-7	**618**	50.0	50.0		MS10-367-10
trans-1,2-Dichloroethene	156-60-5	ND	50.0	50.0	U	MS10-367-10
trans-1,3-Dichloropropene	10061-02-6	ND	50.0	50.0	U	MS10-367-10
Trichloroethene	79-01-6	**23100**	500	500		MS10-365-15
Trichlorofluoromethane	75-69-4	ND	50.0	50.0	U	MS10-367-10
Vinyl chloride	75-01-4	**127**	50.0	50.0		MS10-367-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	105	76.5-132		MS10-367-10
Dibromofluoromethane	1868-53-7	94.9	78.0-126		MS10-367-10
toluene-d8	2037-26-5	102	82.0-115		MS10-367-10
1,2-Dichloroethane-d4	17060-07-0	112	83.2-120		MS10-367-10

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

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Analytical Sample Results

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Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-3 021115
Lab Sample ID: 15020172-04 (AS03146)

Collection Date: 02/11/2015 11:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-14	EPA Method 8260C	02/12/2015 15:01	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-367-6	EPA Method 8260C	02/13/2015 12:03	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	50.0	50.0	U	MS10-367-6
1,1,1-Trichloroethane	71-55-6	ND	50.0	50.0	U	MS10-367-6
1,1,2,2-Tetrachloroethane	79-34-5	ND	50.0	50.0	U	MS10-367-6
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	50.0	50.0	U	MS10-367-6
1,1,2-Trichloroethane	79-00-5	ND	50.0	50.0	U	MS10-367-6
1,1-Dichloroethane	75-34-3	**78.7**	50.0	50.0		MS10-367-6
1,1-Dichloroethene	75-35-4	ND	50.0	50.0	U	MS10-367-6
1,2,3-Trichlorobenzene	87-61-6	ND	50.0	50.0	U	MS10-367-6
1,2,4-Trichlorobenzene	120-82-1	**41.3**	50.0	50.0	J	MS10-367-6
1,2-Dibromo-3-chloropropane	96-12-8	ND	50.0	50.0	U	MS10-367-6
1,2-Dibromoethane	106-93-4	ND	50.0	50.0	U	MS10-367-6
1,2-Dichlorobenzene	95-50-1	ND	50.0	50.0	U	MS10-367-6
1,2-Dichloroethane	107-06-2	**259**	50.0	50.0		MS10-367-6
1,2-Dichloropropane	78-87-5	ND	50.0	50.0	U	MS10-367-6
1,3-Dichlorobenzene	541-73-1	ND	50.0	50.0	U	MS10-367-6
1,4-Dichlorobenzene	106-46-7	ND	50.0	50.0	U	MS10-367-6
2-Butanone	78-93-3	**181**	250	50.0	J	MS10-367-6
2-Hexanone	591-78-6	ND	250	50.0	U	MS10-367-6
4-Methyl-2-pentanone	108-10-1	**108**	250	50.0	J	MS10-367-6
Acetone	67-64-1	**693**	500	50.0		MS10-367-6
Benzene	71-43-2	**10200**	500	500		MS10-365-14
Bromobenzene	108-86-1	ND	50.0	50.0	U	MS10-367-6
Bromochloromethane	74-97-5	ND	50.0	50.0	U	MS10-367-6
Bromodichloromethane	75-27-4	ND	50.0	50.0	U	MS10-367-6
Bromoform	75-25-2	ND	50.0	50.0	U	MS10-367-6
Bromomethane	74-83-9	ND	50.0	50.0	U	MS10-367-6
Carbon disulfide	75-15-0	ND	50.0	50.0	U	MS10-367-6
Carbon tetrachloride	56-23-5	ND	50.0	50.0	U	MS10-367-6
Chlorobenzene	108-90-7	**1550**	50.0	50.0		MS10-367-6
Chloroethane	75-00-3	ND	50.0	50.0	U	MS10-367-6
Chloroform	67-66-3	**98.3**	50.0	50.0		MS10-367-6
Chloromethane	74-87-3	ND	50.0	50.0	U	MS10-367-6
cis-1,2-Dichloroethene	156-59-2	**1230**	50.0	50.0		MS10-367-6
cis-1,3-Dichloropropene	10061-01-5	ND	50.0	50.0	U	MS10-367-6
Cyclohexane	110-82-7	ND	50.0	50.0	U	MS10-367-6
Dibromochloromethane	124-48-1	ND	50.0	50.0	U	MS10-367-6
Dichlorodifluoromethane	75-71-8	ND	50.0	50.0	U	MS10-367-6
Ethylbenzene	100-41-4	**114**	50.0	50.0		MS10-367-6
Isopropylbenzene	98-82-8	ND	50.0	50.0	U	MS10-367-6
m&p-Xylene	136777-61-2	**431**	50.0	50.0		MS10-367-6
Methyl acetate	79-20-9	ND	50.0	50.0	U	MS10-367-6
Methyl tert-butyl ether	1634-04-4	ND	50.0	50.0	U	MS10-367-6
Methylcyclohexane	108-87-2	ND	50.0	50.0	U	MS10-367-6
Methylene chloride	75-09-2	**48.8**	50.0	50.0	J	MS10-367-6

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Analytical Sample Results

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Client Sample ID: EW-3 021115
Lab Sample ID: 15020172-04 (AS03146)

Collection Date: 02/11/2015 11:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-14	EPA Method 8260C	02/12/2015 15:01	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-367-6	EPA Method 8260C	02/13/2015 12:03	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
o-Xylene	95-47-6	**148**	50.0	50.0		MS10-367-6
Styrene	100-42-5	ND	50.0	50.0	U	MS10-367-6
Tetrachloroethene	127-18-4	ND	50.0	50.0	U	MS10-367-6
Toluene	108-88-3	**8780**	500	500		MS10-365-14
Total Xylenes	1330-20-7	**579**	50.0	50.0		MS10-367-6
trans-1,2-Dichloroethene	156-60-5	ND	50.0	50.0	U	MS10-367-6
trans-1,3-Dichloropropene	10061-02-6	ND	50.0	50.0	U	MS10-367-6
Trichloroethene	79-01-6	**400**	50.0	50.0		MS10-367-6
Trichlorofluoromethane	75-69-4	ND	50.0	50.0	U	MS10-367-6
Vinyl chloride	75-01-4	**272**	50.0	50.0		MS10-367-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	102	76.5-132		MS10-367-6
Dibromofluoromethane	1868-53-7	95.8	78.0-126		MS10-367-6
toluene-d8	2037-26-5	97.3	82.0-115		MS10-367-6
1,2-Dichloroethane-d4	17060-07-0	112	83.2-120		MS10-367-6

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

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Phone: 518.346.4592
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: TRIP BLANK-1 021115
Lab Sample ID: 15020172-06 (AS03148)

Collection Date: 02/11/2015 08:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-17	EPA Method 8260C	02/12/2015 16:20	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	1.00	1.00	U	MS10-365-17
1,1,1-Trichloroethane	71-55-6	ND	1.00	1.00	U	MS10-365-17
1,1,2,2-Tetrachloroethane	79-34-5	ND	1.00	1.00	U	MS10-365-17
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	1.00	1.00	U	MS10-365-17
1,1,2-Trichloroethane	79-00-5	ND	1.00	1.00	U	MS10-365-17
1,1-Dichloroethane	75-34-3	ND	1.00	1.00	U	MS10-365-17
1,1-Dichloroethene	75-35-4	ND	1.00	1.00	U	MS10-365-17
1,2,3-Trichlorobenzene	87-61-6	ND	1.00	1.00	U	MS10-365-17
1,2,4-Trichlorobenzene	120-82-1	ND	1.00	1.00	U	MS10-365-17
1,2-Dibromo-3-chloropropane	96-12-8	ND	1.00	1.00	U	MS10-365-17
1,2-Dibromoethane	106-93-4	ND	1.00	1.00	U	MS10-365-17
1,2-Dichlorobenzene	95-50-1	ND	1.00	1.00	U	MS10-365-17
1,2-Dichloroethane	107-06-2	ND	1.00	1.00	U	MS10-365-17
1,2-Dichloropropane	78-87-5	ND	1.00	1.00	U	MS10-365-17
1,3-Dichlorobenzene	541-73-1	ND	1.00	1.00	U	MS10-365-17
1,4-Dichlorobenzene	106-46-7	ND	1.00	1.00	U	MS10-365-17
2-Butanone	78-93-3	ND	5.00	1.00	U	MS10-365-17
2-Hexanone	591-78-6	ND	5.00	1.00	U	MS10-365-17
4-Methyl-2-pentanone	108-10-1	ND	5.00	1.00	U	MS10-365-17
Acetone	67-64-1	ND	10.0	1.00	U	MS10-365-17
Benzene	71-43-2	ND	1.00	1.00	U	MS10-365-17
Bromobenzene	108-86-1	ND	1.00	1.00	U	MS10-365-17
Bromochloromethane	74-97-5	ND	1.00	1.00	U	MS10-365-17
Bromodichloromethane	75-27-4	ND	1.00	1.00	U	MS10-365-17
Bromoform	75-25-2	ND	1.00	1.00	U	MS10-365-17
Bromomethane	74-83-9	ND	1.00	1.00	U	MS10-365-17
Carbon disulfide	75-15-0	ND	1.00	1.00	U	MS10-365-17
Carbon tetrachloride	56-23-5	ND	1.00	1.00	U	MS10-365-17
Chlorobenzene	108-90-7	ND	1.00	1.00	U	MS10-365-17
Chloroethane	75-00-3	ND	1.00	1.00	U	MS10-365-17
Chloroform	67-66-3	ND	1.00	1.00	U	MS10-365-17
Chloromethane	74-87-3	ND	1.00	1.00	U	MS10-365-17
cis-1,2-Dichloroethene	156-59-2	ND	1.00	1.00	U	MS10-365-17
cis-1,3-Dichloropropene	10061-01-5	ND	1.00	1.00	U	MS10-365-17
Cyclohexane	110-82-7	ND	1.00	1.00	U	MS10-365-17
Dibromochloromethane	124-48-1	ND	1.00	1.00	U	MS10-365-17
Dichlorodifluoromethane	75-71-8	ND	1.00	1.00	U	MS10-365-17
Ethylbenzene	100-41-4	ND	1.00	1.00	U	MS10-365-17
Isopropylbenzene	98-82-8	ND	1.00	1.00	U	MS10-365-17
m&p-Xylene	136777-61-2	ND	1.00	1.00	U	MS10-365-17
Methyl acetate	79-20-9	ND	1.00	1.00	U	MS10-365-17
Methyl tert-butyl ether	1634-04-4	ND	1.00	1.00	U	MS10-365-17
Methylcyclohexane	108-87-2	ND	1.00	1.00	U	MS10-365-17
Methylene chloride	75-09-2	ND	1.00	1.00	U	MS10-365-17
o-Xylene	95-47-6	ND	1.00	1.00	U	MS10-365-17

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Analytical Sample Results

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Client Sample ID: TRIP BLANK-1 021115
Lab Sample ID: 15020172-06 (AS03148)

Collection Date: 02/11/2015 08:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-17	EPA Method 8260C	02/12/2015 16:20	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Styrene	100-42-5	ND	1.00	1.00	U	MS10-365-17
Tetrachloroethene	127-18-4	ND	1.00	1.00	U	MS10-365-17
Toluene	108-88-3	ND	1.00	1.00	U	MS10-365-17
Total Xylenes	1330-20-7	ND	1.00	1.00	U	MS10-365-17
trans-1,2-Dichloroethene	156-60-5	ND	1.00	1.00	U	MS10-365-17
trans-1,3-Dichloropropene	10061-02-6	ND	1.00	1.00	U	MS10-365-17
Trichloroethene	79-01-6	ND	1.00	1.00	U	MS10-365-17
Trichlorofluoromethane	75-69-4	ND	1.00	1.00	U	MS10-365-17
Vinyl chloride	75-01-4	ND	1.00	1.00	U	MS10-365-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	103	76.5-132		MS10-365-17
Dibromofluoromethane	1868-53-7	105	78.0-126		MS10-365-17
toluene-d8	2037-26-5	104	82.0-115		MS10-365-17
1,2-Dichloroethane-d4	17060-07-0	117	83.2-120		MS10-365-17

[1]Qualifier 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.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-02 (AS03144)

Collection Date: 02/11/2015 09:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-21	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 15:38	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	ND	18.7	2.00	U	MS07-1491-21
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS07-1491-21
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS07-1491-21
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS07-1491-21
2,4-Dimethylphenol	105-67-9	**2.12**	18.7	2.00	J	MS07-1491-21
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS07-1491-21
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS07-1491-21
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS07-1491-21
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS07-1491-21
2-Chlorophenol	95-57-8	ND	18.7	2.00	U	MS07-1491-21
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS07-1491-21
2-Methylphenol	95-48-7	**6.98**	18.7	2.00	J	MS07-1491-21
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS07-1491-21
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS07-1491-21
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS07-1491-21
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS07-1491-21
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS07-1491-21
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS07-1491-21
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS07-1491-21
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS07-1491-21
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS07-1491-21
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS07-1491-21
4-Nitrophenol	100-02-7	ND	18.7	2.00	U	MS07-1491-21
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS07-1491-21
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS07-1491-21
Anthracene	120-12-7	ND	9.35	2.00	U	MS07-1491-21
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS07-1491-21
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS07-1491-21
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS07-1491-21
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS07-1491-21
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS07-1491-21
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS07-1491-21
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS07-1491-21
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS07-1491-21
bis(2-Ethylhexyl)phthalate	117-81-7	**2.18**	18.7	2.00	J	MS07-1491-21
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS07-1491-21
Carbazole	86-74-8	ND	9.35	2.00	U	MS07-1491-21
Chrysene	218-01-9	ND	9.35	2.00	U	MS07-1491-21
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS07-1491-21
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS07-1491-21
Diethylphthalate	84-66-2	**8.65**	18.7	2.00	JB	MS07-1491-21
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS07-1491-21
Di-n-butylphthalate	84-74-2	ND	18.7	2.00	U	MS07-1491-21
Di-n-octylphthalate	117-84-0	ND	18.7	2.00	U	MS07-1491-21

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Schenectady, NY 12308
Phone: 518.346.4592
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-1 021115
Lab Sample ID: 15020172-02 (AS03144)

Collection Date: 02/11/2015 09:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-21	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 15:38	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS07-1491-21
Fluorene	86-73-7	ND	9.35	2.00	U	MS07-1491-21
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS07-1491-21
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS07-1491-21
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS07-1491-21
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS07-1491-21
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS07-1491-21
Isophorone	78-59-1	ND	18.7	2.00	U	MS07-1491-21
m & p-Methylphenol	108-39-4/106-44-5	**12.2**	18.7	2.00	J	MS07-1491-21
Naphthalene	91-20-3	ND	9.35	2.00	U	MS07-1491-21
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS07-1491-21
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS07-1491-21
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS07-1491-21
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS07-1491-21
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS07-1491-21
Phenol	108-95-2	**9.25**	18.7	2.00	J	MS07-1491-21
Pyrene	129-00-0	ND	9.35	2.00	U	MS07-1491-21

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	81.5	22.8-161		MS07-1491-21
2-Fluorobiphenyl	321-60-8	66.9	26.3-121		MS07-1491-21
2-Fluorophenol	367-12-4	40.5	10.0-86.4		MS07-1491-21
Terphenyl-d14	1718-51-0	96.4	33.7-154		MS07-1491-21
Nitrobenzene-d5	4165-60-0	64.3	12.7-139		MS07-1491-21
Phenol-d6	13127-88-3	23.4	10.0-87.4		MS07-1491-21

[1]Qualifier 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.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

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Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-2 021115
Lab Sample ID: 15020172-03 (AS03145)

Collection Date: 02/11/2015 10:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-22	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 16:00	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	ND	18.7	2.00	U	MS07-1491-22
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS07-1491-22
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS07-1491-22
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS07-1491-22
2,4-Dimethylphenol	105-67-9	**11.0**	18.7	2.00	J	MS07-1491-22
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS07-1491-22
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS07-1491-22
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS07-1491-22
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS07-1491-22
2-Chlorophenol	95-57-8	ND	18.7	2.00	U	MS07-1491-22
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS07-1491-22
2-Methylphenol	95-48-7	**46.5**	18.7	2.00		MS07-1491-22
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS07-1491-22
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS07-1491-22
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS07-1491-22
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS07-1491-22
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS07-1491-22
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS07-1491-22
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS07-1491-22
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS07-1491-22
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS07-1491-22
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS07-1491-22
4-Nitrophenol	100-02-7	ND	18.7	2.00	U	MS07-1491-22
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS07-1491-22
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS07-1491-22
Anthracene	120-12-7	ND	9.35	2.00	U	MS07-1491-22
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS07-1491-22
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS07-1491-22
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS07-1491-22
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS07-1491-22
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS07-1491-22
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS07-1491-22
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS07-1491-22
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS07-1491-22
bis(2-Ethylhexyl)phthalate	117-81-7	ND	18.7	2.00	U	MS07-1491-22
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS07-1491-22
Carbazole	86-74-8	ND	9.35	2.00	U	MS07-1491-22
Chrysene	218-01-9	ND	9.35	2.00	U	MS07-1491-22
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS07-1491-22
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS07-1491-22
Diethylphthalate	84-66-2	**8.81**	18.7	2.00	JB	MS07-1491-22
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS07-1491-22
Di-n-butylphthalate	84-74-2	ND	18.7	2.00	U	MS07-1491-22
Di-n-octylphthalate	117-84-0	ND	18.7	2.00	U	MS07-1491-22

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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 021115
Lab Sample ID: 15020172-03 (AS03145)

Collection Date: 02/11/2015 10:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-22	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 16:00	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS07-1491-22
Fluorene	86-73-7	ND	9.35	2.00	U	MS07-1491-22
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS07-1491-22
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS07-1491-22
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS07-1491-22
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS07-1491-22
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS07-1491-22
Isophorone	78-59-1	**2.98**	18.7	2.00	J	MS07-1491-22
m & p-Methylphenol	108-39-4/106-44-5	**129**	18.7	2.00		MS07-1491-22
Naphthalene	91-20-3	**5.72**	9.35	2.00	J	MS07-1491-22
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS07-1491-22
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS07-1491-22
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS07-1491-22
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS07-1491-22
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS07-1491-22
Phenol	108-95-2	**87.9**	18.7	2.00		MS07-1491-22
Pyrene	129-00-0	ND	9.35	2.00	U	MS07-1491-22

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	84.7	22.8-161		MS07-1491-22
2-Fluorobiphenyl	321-60-8	63.5	26.3-121		MS07-1491-22
2-Fluorophenol	367-12-4	20.6	10.0-86.4		MS07-1491-22
Terphenyl-d14	1718-51-0	83.5	33.7-154		MS07-1491-22
Nitrobenzene-d5	4165-60-0	55.2	12.7-139		MS07-1491-22
Phenol-d6	13127-88-3	20.1	10.0-87.4		MS07-1491-22

[1]Qualifier 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.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

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Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: DUP 021115 (Blind Dup of EW-2)
Lab Sample ID: 15020172-05 (AS03147)

Collection Date: 02/11/2015
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-24	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 16:44	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	ND	18.7	2.00	U	MS07-1491-24
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS07-1491-24
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS07-1491-24
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS07-1491-24
2,4-Dimethylphenol	105-67-9	**12.2**	18.7	2.00	J	MS07-1491-24
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS07-1491-24
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS07-1491-24
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS07-1491-24
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS07-1491-24
2-Chlorophenol	95-57-8	ND	18.7	2.00	U	MS07-1491-24
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS07-1491-24
2-Methylphenol	95-48-7	**48.7**	18.7	2.00		MS07-1491-24
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS07-1491-24
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS07-1491-24
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS07-1491-24
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS07-1491-24
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS07-1491-24
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS07-1491-24
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS07-1491-24
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS07-1491-24
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS07-1491-24
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS07-1491-24
4-Nitrophenol	100-02-7	ND	18.7	2.00	U	MS07-1491-24
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS07-1491-24
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS07-1491-24
Anthracene	120-12-7	ND	9.35	2.00	U	MS07-1491-24
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS07-1491-24
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS07-1491-24
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS07-1491-24
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS07-1491-24
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS07-1491-24
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS07-1491-24
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS07-1491-24
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS07-1491-24
bis(2-Ethylhexyl)phthalate	117-81-7	ND	18.7	2.00	U	MS07-1491-24
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS07-1491-24
Carbazole	86-74-8	ND	9.35	2.00	U	MS07-1491-24
Chrysene	218-01-9	ND	9.35	2.00	U	MS07-1491-24
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS07-1491-24
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS07-1491-24
Diethylphthalate	84-66-2	**8.87**	18.7	2.00	JB	MS07-1491-24
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS07-1491-24
Di-n-butylphthalate	84-74-2	ND	18.7	2.00	U	MS07-1491-24
Di-n-octylphthalate	117-84-0	ND	18.7	2.00	U	MS07-1491-24

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115 (Blind Dup of EW-2)
Lab Sample ID: 15020172-05 (AS03147)

Collection Date: 02/11/2015
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-24	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 16:44	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS07-1491-24
Fluorene	86-73-7	ND	9.35	2.00	U	MS07-1491-24
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS07-1491-24
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS07-1491-24
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS07-1491-24
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS07-1491-24
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS07-1491-24
Isophorone	78-59-1	**3.16**	18.7	2.00	J	MS07-1491-24
m & p-Methylphenol	108-39-4/106-44-5	**134**	18.7	2.00		MS07-1491-24
Naphthalene	91-20-3	**6.26**	9.35	2.00	J	MS07-1491-24
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS07-1491-24
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS07-1491-24
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS07-1491-24
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS07-1491-24
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS07-1491-24
Phenol	108-95-2	**104**	18.7	2.00		MS07-1491-24
Pyrene	129-00-0	ND	9.35	2.00	U	MS07-1491-24

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	77.9	22.8-161		MS07-1491-24
2-Fluorobiphenyl	321-60-8	67.9	26.3-121		MS07-1491-24
2-Fluorophenol	367-12-4	25.8	10.0-86.4		MS07-1491-24
Terphenyl-d14	1718-51-0	84.7	33.7-154		MS07-1491-24
Nitrobenzene-d5	4165-60-0	61.2	12.7-139		MS07-1491-24
Phenol-d6	13127-88-3	22.0	10.0-87.4		MS07-1491-24

[1]Qualifier 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.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-04 (AS03146)

Collection Date: 02/11/2015 11:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-23	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 16:22	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Analysis 2:	MS07-1491-26	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 17:28	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	ND	18.7	2.00	U	MS07-1491-23
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS07-1491-23
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS07-1491-23
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS07-1491-23
2,4-Dimethylphenol	105-67-9	**51.9**	18.7	2.00		MS07-1491-23
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS07-1491-23
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS07-1491-23
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS07-1491-23
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS07-1491-23
2-Chlorophenol	95-57-8	**6.61**	18.7	2.00	J	MS07-1491-23
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS07-1491-23
2-Methylphenol	95-48-7	**102**	18.7	2.00		MS07-1491-23
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS07-1491-23
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS07-1491-23
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS07-1491-23
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS07-1491-23
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS07-1491-23
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS07-1491-23
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS07-1491-23
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS07-1491-23
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS07-1491-23
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS07-1491-23
4-Nitrophenol	100-02-7	ND	18.7	2.00	U	MS07-1491-23
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS07-1491-23
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS07-1491-23
Anthracene	120-12-7	ND	9.35	2.00	U	MS07-1491-23
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS07-1491-23
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS07-1491-23
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS07-1491-23
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS07-1491-23
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS07-1491-23
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS07-1491-23
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS07-1491-23
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS07-1491-23
bis(2-Ethylhexyl)phthalate	117-81-7	ND	18.7	2.00	U	MS07-1491-23
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS07-1491-23
Carbazole	86-74-8	ND	9.35	2.00	U	MS07-1491-23
Chrysene	218-01-9	ND	9.35	2.00	U	MS07-1491-23
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS07-1491-23
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS07-1491-23
Diethylphthalate	84-66-2	**8.66**	18.7	2.00	JB	MS07-1491-23
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS07-1491-23
Di-n-butylphthalate	84-74-2	ND	18.7	2.00	U	MS07-1491-23

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-04 (AS03146)

Collection Date: 02/11/2015 11:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-23	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 16:22	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Analysis 2:	MS07-1491-26	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 17:28	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Di-n-octylphthalate	117-84-0	ND	18.7	2.00	U	MS07-1491-23
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS07-1491-23
Fluorene	86-73-7	ND	9.35	2.00	U	MS07-1491-23
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS07-1491-23
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS07-1491-23
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS07-1491-23
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS07-1491-23
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS07-1491-23
Isophorone	78-59-1	ND	18.7	2.00	U	MS07-1491-23
m & p-Methylphenol	108-39-4/106-44-5	**556**	93.5	10.0		MS07-1491-26
Naphthalene	91-20-3	ND	9.35	2.00	U	MS07-1491-23
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS07-1491-23
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS07-1491-23
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS07-1491-23
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS07-1491-23
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS07-1491-23
Phenol	108-95-2	**114**	18.7	2.00		MS07-1491-23
Pyrene	129-00-0	ND	9.35	2.00	U	MS07-1491-23

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	84.3	22.8-161		MS07-1491-23
2-Fluorobiphenyl	321-60-8	64.3	26.3-121		MS07-1491-23
2-Fluorophenol	367-12-4	20.5	10.0-86.4		MS07-1491-23
Terphenyl-d14	1718-51-0	88.3	33.7-154		MS07-1491-23
Nitrobenzene-d5	4165-60-0	49.2	12.7-139		MS07-1491-23
Phenol-d6	13127-88-3	19.7	10.0-87.4		MS07-1491-23

[1]Qualifier 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.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-02 (AS03144)

Collection Date: 02/11/2015 09:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1550-17	SW-846 Method 8082A	02/23/2015 12:05	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30182	EPA 3535A	02/19/2015 13:57	KEN	960 mL	10.0 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Aroclor 1016	12674-11-2	ND	0.0521	1.00	U	GC28F-1550-17
Aroclor 1221	11104-28-2	ND	0.0521	1.00	U	GC28F-1550-17
Aroclor 1232	11141-16-5	ND	0.0521	1.00	U	GC28F-1550-17
Aroclor 1242	53469-21-9	ND	0.0521	1.00	U	GC28F-1550-17
Aroclor 1248	12672-29-6	ND	0.0521	1.00	U	GC28F-1550-17
Aroclor 1254	11097-69-1	ND	0.0521	1.00	U	GC28F-1550-17
Aroclor 1260	11096-82-5	ND	0.0521	1.00	U	GC28F-1550-17
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1550-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	89.6	60.0-140		GC28F-1550-17
Decachlorobiphenyl	2051-24-3	103	60.0-140		GC28F-1550-17
Tetrachloro-meta-xylene	877-09-8	87.9	60.0-140		GC28B-1548-17
Decachlorobiphenyl	2051-24-3	99.2	60.0-140		GC28B-1548-17

[1]Qualifier 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.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-03 (AS03145)

Collection Date: 02/11/2015 10:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1550-18	SW-846 Method 8082A	02/23/2015 12:19	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30182	EPA 3535A	02/19/2015 13:57	KEN	1070 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-1550-18
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1550-18
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1550-18
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1550-18
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1550-18
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1550-18
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1550-18
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1550-18

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	88.7	60.0-140		GC28F-1550-18
Decachlorobiphenyl	2051-24-3	101	60.0-140		GC28F-1550-18
Tetrachloro-meta-xylene	877-09-8	83.9	60.0-140		GC28B-1548-18
Decachlorobiphenyl	2051-24-3	98.5	60.0-140		GC28B-1548-18

[1]Qualifier 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.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115 (Blind Dup of EW-2)
Lab Sample ID: 15020172-05 (AS03147)

Collection Date: 02/11/2015
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1550-20	SW-846 Method 8082A	02/23/2015 12:47	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30182	EPA 3535A	02/19/2015 13:57	KEN	1070 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-1550-20
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1550-20
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1550-20
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1550-20
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1550-20
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1550-20
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1550-20
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1550-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	88.8	60.0-140		GC28F-1550-20
Decachlorobiphenyl	2051-24-3	99.5	60.0-140		GC28F-1550-20
Tetrachloro-meta-xylene	877-09-8	84.4	60.0-140		GC28B-1548-20
Decachlorobiphenyl	2051-24-3	98.1	60.0-140		GC28B-1548-20

[1]Qualifier 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: 15020172

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 021115
Lab Sample ID: 15020172-04 (AS03146)

Collection Date: 02/11/2015 11:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1550-19	SW-846 Method 8082A	02/23/2015 12:33	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30182	EPA 3535A	02/19/2015 13:57	KEN	1070 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-1550-19
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1550-19
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1550-19
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1550-19
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1550-19
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1550-19
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1550-19
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1550-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	86.7	60.0-140		GC28F-1550-19
Decachlorobiphenyl	2051-24-3	102	60.0-140		GC28F-1550-19
Tetrachloro-meta-xylene	877-09-8	86.4	60.0-140		GC28B-1548-19
Decachlorobiphenyl	2051-24-3	102	60.0-140		GC28B-1548-19

[1]Qualifier 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: 15020172

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-1 021115
Lab Sample ID: 15020172-02 (AS03144)

Collection Date: 02/11/2015 09:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1508-45	SW-846 6010C	02/25/2015 13:51	LMS	NA	NA	NA
Prep 1:	5412	EPA 3005A	02/17/2015 08:13	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	**0.0273**	0.0500	1.00	J	ICP2-1508-45
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1508-45
Arsenic	7440-38-2	**0.00768**	0.00500	1.00		ICP2-1508-45
Barium	7440-39-3	**0.0657**	0.00500	1.00		ICP2-1508-45
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1508-45
Cadmium	7440-43-9	**0.000105**	0.00400	1.00	J	ICP2-1508-45
Calcium	7440-70-2	**24.0**	0.500	1.00		ICP2-1508-45
Chromium	7440-47-3	**0.00127**	0.00500	1.00	J	ICP2-1508-45
Cobalt	7440-48-4	ND	0.00500	1.00	U	ICP2-1508-45
Copper	7440-50-8	**0.0120**	0.00500	1.00		ICP2-1508-45
Iron	7439-89-6	**0.0776**	0.0500	1.00		ICP2-1508-45
Lead	7439-92-1	**0.00236**	0.00500	1.00	JB	ICP2-1508-45
Magnesium	7439-95-4	**5.08**	0.500	1.00		ICP2-1508-45
Manganese	7439-96-5	**0.291**	0.00500	1.00		ICP2-1508-45
Nickel	7440-02-0	**0.000822**	0.00500	1.00	J	ICP2-1508-45
Potassium	7440-09-7	**0.467**	0.500	1.00	JB	ICP2-1508-45
Selenium	7782-49-2	ND	0.0100	1.00	U	ICP2-1508-45
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1508-45
Sodium	7440-23-5	**52.9**	0.500	1.00	B	ICP2-1508-45
Thallium	7440-28-0	ND	0.0100	1.00	U	ICP2-1508-45
Vanadium	7440-62-2	ND	0.00500	1.00	U	ICP2-1508-45
Zinc	7440-66-6	**0.0190**	0.00500	1.00		ICP2-1508-45

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-03 (AS03145)

Collection Date: 02/11/2015 10:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1508-46	SW-846 6010C	02/25/2015 13:53	LMS	NA	NA	NA
Prep 1:	5412	EPA 3005A	02/17/2015 08:13	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	**0.0306**	0.0500	1.00	J	ICP2-1508-46
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1508-46
Arsenic	7440-38-2	**0.00501**	0.00500	1.00		ICP2-1508-46
Barium	7440-39-3	**0.176**	0.00500	1.00		ICP2-1508-46
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1508-46
Cadmium	7440-43-9	ND	0.00400	1.00	U	ICP2-1508-46
Calcium	7440-70-2	**21.1**	0.500	1.00		ICP2-1508-46
Chromium	7440-47-3	**0.00253**	0.00500	1.00	J	ICP2-1508-46
Cobalt	7440-48-4	ND	0.00500	1.00	U	ICP2-1508-46
Copper	7440-50-8	**0.00896**	0.00500	1.00		ICP2-1508-46
Iron	7439-89-6	**0.0526**	0.0500	1.00		ICP2-1508-46
Lead	7439-92-1	**0.00181**	0.00500	1.00	JB	ICP2-1508-46
Magnesium	7439-95-4	**5.08**	0.500	1.00		ICP2-1508-46
Manganese	7439-96-5	**0.422**	0.00500	1.00		ICP2-1508-46
Nickel	7440-02-0	**0.000742**	0.00500	1.00	J	ICP2-1508-46
Potassium	7440-09-7	**0.506**	0.500	1.00	B	ICP2-1508-46
Selenium	7782-49-2	ND	0.0100	1.00	U	ICP2-1508-46
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1508-46
Sodium	7440-23-5	**46.1**	0.500	1.00	B	ICP2-1508-46
Thallium	7440-28-0	ND	0.0100	1.00	U	ICP2-1508-46
Vanadium	7440-62-2	ND	0.00500	1.00	U	ICP2-1508-46
Zinc	7440-66-6	**0.0164**	0.00500	1.00		ICP2-1508-46

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Analytical Sample Results

Job Number: 15020172

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 021115 (Blind Dup of EW-2)
Lab Sample ID: 15020172-05 (AS03147)

Collection Date: 02/11/2015
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1508-48	SW-846 6010C	02/25/2015 13:59	LMS	NA	NA	NA
Prep 1:	5412	EPA 3005A	02/17/2015 08:13	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	**0.0281**	0.0500	1.00	J	ICP2-1508-48
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1508-48
Arsenic	7440-38-2	**0.00444**	0.00500	1.00	J	ICP2-1508-48
Barium	7440-39-3	**0.185**	0.00500	1.00		ICP2-1508-48
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1508-48
Cadmium	7440-43-9	**0.000122**	0.00400	1.00	J	ICP2-1508-48
Calcium	7440-70-2	**21.5**	0.500	1.00		ICP2-1508-48
Chromium	7440-47-3	**0.00336**	0.00500	1.00	J	ICP2-1508-48
Cobalt	7440-48-4	ND	0.00500	1.00	U	ICP2-1508-48
Copper	7440-50-8	**0.00679**	0.00500	1.00		ICP2-1508-48
Iron	7439-89-6	**0.0421**	0.0500	1.00	J	ICP2-1508-48
Lead	7439-92-1	**0.00246**	0.00500	1.00	JB	ICP2-1508-48
Magnesium	7439-95-4	**5.19**	0.500	1.00		ICP2-1508-48
Manganese	7439-96-5	**0.431**	0.00500	1.00		ICP2-1508-48
Nickel	7440-02-0	**0.000784**	0.00500	1.00	J	ICP2-1508-48
Potassium	7440-09-7	**0.517**	0.500	1.00	B	ICP2-1508-48
Selenium	7782-49-2	ND	0.0100	1.00	U	ICP2-1508-48
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1508-48
Sodium	7440-23-5	**47.5**	0.500	1.00	B	ICP2-1508-48
Thallium	7440-28-0	ND	0.0100	1.00	U	ICP2-1508-48
Vanadium	7440-62-2	ND	0.00500	1.00	U	ICP2-1508-48
Zinc	7440-66-6	**0.0117**	0.00500	1.00		ICP2-1508-48

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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 021115
Lab Sample ID: 15020172-04 (AS03146)

Collection Date: 02/11/2015 11:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1508-47	SW-846 6010C	02/25/2015 13:56	LMS	NA	NA	NA
Prep 1:	5412	EPA 3005A	02/17/2015 08:13	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	ND	0.0500	1.00	U	ICP2-1508-47
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1508-47
Arsenic	7440-38-2	ND	0.00500	1.00	U	ICP2-1508-47
Barium	7440-39-3	**0.869**	0.00500	1.00		ICP2-1508-47
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1508-47
Cadmium	7440-43-9	**0.000303**	0.00400	1.00	J	ICP2-1508-47
Calcium	7440-70-2	**22.2**	0.500	1.00		ICP2-1508-47
Chromium	7440-47-3	**0.00325**	0.00500	1.00	J	ICP2-1508-47
Cobalt	7440-48-4	**0.000555**	0.00500	1.00	J	ICP2-1508-47
Copper	7440-50-8	**0.0111**	0.00500	1.00		ICP2-1508-47
Iron	7439-89-6	**0.0647**	0.0500	1.00		ICP2-1508-47
Lead	7439-92-1	**0.00147**	0.00500	1.00	JB	ICP2-1508-47
Magnesium	7439-95-4	**1.06**	0.500	1.00		ICP2-1508-47
Manganese	7439-96-5	**0.243**	0.00500	1.00		ICP2-1508-47
Nickel	7440-02-0	**0.00139**	0.00500	1.00	J	ICP2-1508-47
Potassium	7440-09-7	**0.915**	0.500	1.00	B	ICP2-1508-47
Selenium	7782-49-2	ND	0.0100	1.00	U	ICP2-1508-47
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1508-47
Sodium	7440-23-5	**216**	0.500	1.00	B	ICP2-1508-47
Thallium	7440-28-0	ND	0.0100	1.00	U	ICP2-1508-47
Vanadium	7440-62-2	ND	0.00500	1.00	U	ICP2-1508-47
Zinc	7440-66-6	**0.0285**	0.00500	1.00		ICP2-1508-47

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1501011
Project:	15020170 Dewey Loeffel	**Date Collected:**	2/11/15
Sample Matrix:	Water	**Date Received:**	2/12/15
		Date Extracted:	2/13/15
		Date Analyzed:	2/13/15 15:49
Sample Name:	EW-1 021115	**Units:**	µg/L
Lab Code:	R1501011-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	432827
Prep Method:	EPA 3535A	**Extraction Lot:**	229232
Data File Name:	I:\ACQUDATA\5975E\data\021315\AI162.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**8.5**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	95	57-118	2/13/15 15:49	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1501011
Project:	15020170 Dewey Loeffel	**Date Collected:**	2/11/15
Sample Matrix:	Water	**Date Received:**	2/12/15
		Date Extracted:	2/13/15
		Date Analyzed:	2/13/15 16:06
Sample Name:	EW-2 021115	**Units:**	µg/L
Lab Code:	R1501011-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	432827
Prep Method:	EPA 3535A	**Extraction Lot:**	229232
Data File Name:	I:\ACQUDATA\5975E\data\021315\AI163.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	57		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	97	57-118	2/13/15 16:06	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1501011
Project:	15020170 Dewey Loeffel	**Date Collected:**	2/11/15
Sample Matrix:	Water	**Date Received:**	2/12/15
		Date Extracted:	2/13/15
		Date Analyzed:	2/13/15 16:43
Sample Name:	DUP 021115 (Blind Dup of EW-2)	**Units:**	µg/L
Lab Code:	R1501011-005	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	432827
Prep Method:	EPA 3535A	**Extraction Lot:**	229232
Data File Name:	I:\ACQUDATA\5975E\data\021315\AI165.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	60		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	101	57-118	2/13/15 16:43	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1501011
Project:	15020170 Dewey Loeffel	**Date Collected:**	2/11/15
Sample Matrix:	Water	**Date Received:**	2/12/15
		Date Extracted:	2/13/15
		Date Analyzed:	2/16/15 09:17
Sample Name:	EW-3 021115	**Units:**	µg/L
Lab Code:	R1501011-004	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	432833
Prep Method:	EPA 3535A	**Extraction Lot:**	229232
Data File Name:	I:\ACQUDATA\5975E\data\021615\AI170.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**290**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	106	57-118	2/16/15 09:17	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16315.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	14	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	12	
76-13-1	Freon-113	1	U
67-64-1	Acetone	40	
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	110	
156-60-5	trans-1,2-Dichloroethene	1	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	30	Z
156-59-2	cis-1,2-Dichloroethene	390	E
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	29	
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	450	E
107-06-2	1,2-Dichloroethane	120	Z
79-01-6	Trichloroethene	4500	E
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	5	Z
108-88-3	Toluene	220	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	18	
591-78-6	2-Hexanone	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16315.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	87	
100-41-4	Ethylbenzene	16	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	21	
95-47-6	o-Xylene	22	
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	7	
87-61-6	1,2,3-Trichlorobenzene	18	
95-50-1	1,2-Dichlorobenzene	3	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	82	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16320.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	150	D
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	420	D
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	65	D
56-23-5	Carbon tetrachloride	50	U
71-43-2	Benzene	530	D
107-06-2	1,2-Dichloroethane	130	DZ
79-01-6	Trichloroethene	5000	D
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	450	D
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

EPA SAMPLE NO.

EW-1 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16320.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	180	D
100-41-4	Ethylbenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	54	D
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	120	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP

(Blind Dup of EW-1)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16318.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	16	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	14	
76-13-1	Freon-113	1	U
67-64-1	Acetone	46	
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	140	
156-60-5	trans-1,2-Dichloroethene	2	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	36	
156-59-2	cis-1,2-Dichloroethene	470	E
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	36	
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	540	E
107-06-2	1,2-Dichloroethane	140	
79-01-6	Trichloroethene	5000	E
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	6	
108-88-3	Toluene	270	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	20	
591-78-6	2-Hexanone	5	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP

(Blind Dup of EW-1)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16318.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	100	
100-41-4	Ethylbenzene	19	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	23	
95-47-6	o-Xylene	27	
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	8	
87-61-6	1,2,3-Trichlorobenzene	21	
95-50-1	1,2-Dichlorobenzene	4	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	100	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP DL

(Blind Dup of EW-1)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-005ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16319.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	65	D
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	170	D
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	580	D
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	800	D
107-06-2	1,2-Dichloroethane	140	D
79-01-6	Trichloroethene	6200	D
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	890	D
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP DL

(Blind Dup of EW-1)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-005ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16319.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	330	D
100-41-4	Ethylbenzene	50	U
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	100	D
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	230	D

VOLATILE 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-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16316.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	150	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	
75-69-4	Trichlorofluoromethane	1	
75-35-4	1,1-Dichloroethene	55	
76-13-1	Freon-113	1	U
67-64-1	Acetone	670	E
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	2300	E
156-60-5	trans-1,2-Dichloroethene	7	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	140	Z
156-59-2	cis-1,2-Dichloroethene	4300	E
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	810	E
71-55-6	1,1,1-Trichloroethane	120	
110-82-7	Cyclohexane	8	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	2000	E
107-06-2	1,2-Dichloroethane	810	EZ
79-01-6	Trichloroethene	9000	E
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	39	Z
108-88-3	Toluene	2400	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	4	
127-18-4	Tetrachloroethene	120	
591-78-6	2-Hexanone	12	

VOLATILE 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-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16316.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	790	E
100-41-4	Ethylbenzene	180	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	390	
95-47-6	o-Xylene	250	E
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	7	
106-46-7	1,4-Dichlorobenzene	60	
87-61-6	1,2,3-Trichlorobenzene	200	
95-50-1	1,2-Dichlorobenzene	28	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	970	E

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-003ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16325.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	810	DJ
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	2300	D
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	4200	D
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	770	D
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	3300	D
107-06-2	1,2-Dichloroethane	800	DZ
79-01-6	Trichloroethene	22000	D
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	5700	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-003ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16325.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	990	D
100-41-4	Ethylbenzene	200	U
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	420	D
95-47-6	o-Xylene	240	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	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	670	D

VOLATILE 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-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16317.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	360	E
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	4	
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	22	
76-13-1	Freon-113	1	U
67-64-1	Acetone	670	E
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	71	
156-60-5	trans-1,2-Dichloroethene	7	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	110	
156-59-2	cis-1,2-Dichloroethene	1900	E
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	150	
71-55-6	1,1,1-Trichloroethane	30	
110-82-7	Cyclohexane	7	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	3000	E
107-06-2	1,2-Dichloroethane	300	E
79-01-6	Trichloroethene	420	E
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	95	
108-88-3	Toluene	2900	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	2	
591-78-6	2-Hexanone	5	U

1B

VOLATILE 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-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16317.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1400	E
100-41-4	Ethylbenzene	110	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	390	
95-47-6	o-Xylene	140	
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	
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	8	
87-61-6	1,2,3-Trichlorobenzene	11	
95-50-1	1,2-Dichlorobenzene	2	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	50	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-004ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16326.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	370	D
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	Freon-113	100	U
67-64-1	Acetone	730	D
75-15-0	Carbon disulfide	100	U
75-09-2	Methylene chloride	120	D
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	110	DZ
156-59-2	cis-1,2-Dichloroethene	1800	D
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	100	U
67-66-3	Chloroform	150	D
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	11000	D
107-06-2	1,2-Dichloroethane	300	DZ
79-01-6	Trichloroethene	550	D
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	330	DZ
108-88-3	Toluene	9300	D
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-004ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16326.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	1700	D
100-41-4	Ethylbenzene	120	D
630-20-6	1,1,1,2-Tetrachloroethane	100	U
179601-23-1	m,p-Xylene	420	D
95-47-6	o-Xylene	150	D
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-86-1	Bromobenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16310.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	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

EPA SAMPLE NO.

TRIP BLANK-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16310.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 050615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28531.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/20/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12-03-3	3-Methylphenol/4-Methylphenol	9	J
108-95-2	Phenol	18	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	8	J
108-60-1	2,2´-oxybis(1-chloropropane)	10	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	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
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	5	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
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenyl-phenylether	10	U

EPA SAMPLE NO.

EW-1 050615

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28531.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/20/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	2	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	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	2	J
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.

DUP 050615

(Blind Dup of EW-1)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-005B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28477.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/18/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12-03-3	3-Methylphenol/4-Methylphenol	11	J
108-95-2	Phenol	19	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	7	J
108-60-1	2,2´-oxybis(1-chloropropane)	10	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	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
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	5	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
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenyl-phenylether	10	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP 050615

(Blind Dup of EW-1)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-005B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28477.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/18/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	25	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	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	2	J
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

EPA SAMPLE NO.

EW-2 050615

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28475.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/17/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12-03-3	3-Methylphenol/4-Methylphenol	100	
108-95-2	Phenol	140	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	42	
108-60-1	2,2´-oxybis(1-chloropropane)	10	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	2	J
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	8	J
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
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
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	5	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
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenyl-phenylether	10	U

EPA SAMPLE NO.

EW-2 050615

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28475.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/17/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	4	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	10	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

EPA SAMPLE NO.

EW-2 050615DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-003BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 5\R28534.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/20/15

Injection Volume: 2 (µL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12-03-3	3-Methylphenol/4-Methylphenol	95	D
108-95-2	Phenol	130	D
111-44-4	Bis(2-chloroethyl)ether	20	U
95-57-8	2-Chlorophenol	20	U
95-48-7	2-Methylphenol	39	D
108-60-1	2,2'-oxybis(1-chloropropane)	20	U
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	20	U
88-75-5	2-Nitrophenol	20	U
105-67-9	2,4-Dimethylphenol	8	DJ
111-91-1	Bis(2-chloroethoxy)methane	20	U
120-83-2	2,4-Dichlorophenol	20	U
91-20-3	Naphthalene	4	DJ
106-47-8	4-Chloroaniline	20	U
87-68-3	Hexachlorobutadiene	20	U
59-50-7	4-Chloro-3-methylphenol	7	DJ
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	4	DJ
131-11-3	Dimethylphthalate	20	U
606-20-2	2,6-Dinitrotoluene	20	U
208-96-8	Acenaphthylene	10	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
86-73-7	Fluorene	10	U
7005-72-3	4-Chlorophenyl-phenylether	20	U

EPA SAMPLE NO.

EW-2 050615DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-003BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 5\R28534.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/20/15

Injection Volume: 2 (µL) Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	11	DJ
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	20	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 050615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28476.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/18/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12-03-3	3-Methylphenol/4-Methylphenol	300	E
108-95-2	Phenol	110	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	5	J
95-48-7	2-Methylphenol	73	
108-60-1	2,2´-oxybis(1-chloropropane)	10	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	35	
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	9	
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
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	5	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
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenyl-phenylether	10	U

EPA SAMPLE NO.

EW-3 050615

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28476.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/18/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	25	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	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	2	J
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-3 050615DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-004BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 5\R28535.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/20/15

Injection Volume: 2 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12-03-3	3-Methylphenol/4-Methylphenol	300	D
108-95-2	Phenol	100	D
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	70	DJ
108-60-1	2,2´-oxybis(1-chloropropane)	100	U
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	U
105-67-9	2,4-Dimethylphenol	17	DJ
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	U
131-11-3	Dimethylphthalate	100	U
606-20-2	2,6-Dinitrotoluene	100	U
208-96-8	Acenaphthylene	50	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
86-73-7	Fluorene	50	U
7005-72-3	4-Chlorophenyl-phenylether	100	U

EPA SAMPLE NO.

EW-3 050615DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-004BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 5\R28535.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/20/15

Injection Volume: 2 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	250	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	100	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

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 050615
Lab Sample ID: 15050053-02 (AS08560)

Collection Date: 05/06/2015 09:30
Sample Matrix: WATER
Received Date: 05/06/2015 13:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1610-24	SW-846 Method 8082A	05/12/2015 17:43	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30662	EPA 3535A	05/11/2015 08:38	KEN	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-1610-24
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1610-24
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1610-24
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1610-24
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1610-24
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1610-24
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1610-24
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1610-24

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	89.2	47.0-123		GC28F-1610-24
Decachlorobiphenyl	2051-24-3	100	35.0-153		GC28F-1610-24
Tetrachloro-meta-xylene	877-09-8	89.1	47.0-123		GC28B-1607-24
Decachlorobiphenyl	2051-24-3	98.6	35.0-153		GC28B-1607-24

[1]Qualifier 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.

Pace Analytical®

Analytical Sample Results

Job Number: 15050053

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 050615 (Blind Dup of EW-1)
Lab Sample ID: 15050053-05 (AS08563)

Collection Date: 05/06/2015
Sample Matrix: WATER
Received Date: 05/06/2015 13:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1610-27	SW-846 Method 8082A	05/12/2015 18:25	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30662	EPA 3535A	05/11/2015 08:38	KEN	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-1610-27
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1610-27
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1610-27
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1610-27
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1610-27
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1610-27
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1610-27
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1610-27

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	91.0	47.0-123		GC28F-1610-27
Decachlorobiphenyl	2051-24-3	103	35.0-153		GC28F-1610-27
Tetrachloro-meta-xylene	877-09-8	88.6	47.0-123		GC28B-1607-27
Decachlorobiphenyl	2051-24-3	98.9	35.0-153		GC28B-1607-27

[1]Qualifier 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.

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 050615
Lab Sample ID: 15050053-03 (AS08561)

Collection Date: 05/06/2015 10:30
Sample Matrix: WATER
Received Date: 05/06/2015 13:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1610-25	SW-846 Method 8082A	05/12/2015 17:57	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30662	EPA 3535A	05/11/2015 08:38	KEN	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-1610-25
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1610-25
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1610-25
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1610-25
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1610-25
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1610-25
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1610-25
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1610-25

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	96.2	47.0-123		GC28F-1610-25
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28F-1610-25
Tetrachloro-meta-xylene	877-09-8	89.1	47.0-123		GC28B-1607-25
Decachlorobiphenyl	2051-24-3	98.4	35.0-153		GC28B-1607-25

[1]Qualifier 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.

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 050615
Lab Sample ID: 15050053-04 (AS08562)

Collection Date: 05/06/2015 11:30
Sample Matrix: WATER
Received Date: 05/06/2015 13:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1610-26	SW-846 Method 8082A	05/12/2015 18:11	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30662	EPA 3535A	05/11/2015 08:38	KEN	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-1610-26
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1610-26
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1610-26
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1610-26
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1610-26
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1610-26
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1610-26
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1610-26

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	91.6	47.0-123		GC28F-1610-26
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28F-1610-26
Tetrachloro-meta-xylene	877-09-8	92.7	47.0-123		GC28B-1607-26
Decachlorobiphenyl	2051-24-3	98.0	35.0-153		GC28B-1607-26

[1]Qualifier 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 050615

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY175

Matrix (soil/water): WATER Lab Sample ID: 1505569-002

Level (low/med): LOW Date Received: 05/06/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.2	J	N	P
7440-36-0	Antimony	60	U	N	P
7440-38-2	Arsenic	5.7	J	N	P
7440-39-3	Barium	67.3	J	N	P
7440-41-7	Beryllium	5.0	U	N	P
7440-43-9	Cadmium	2.5	U	N	P
7440-70-2	Calcium	24700			P
7440-47-3	Chromium	10	U	N	P
7440-48-4	Cobalt	50	U	N	P
7440-50-8	Copper	33.4		N	P
7439-89-6	Iron	41.4	J		P
7439-92-1	Lead	4.4	J	N	P
7439-95-4	Magnesium	4910			P
7439-96-5	Manganese	284			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U	N	P
7440-09-7	Potassium	537	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U	N	P
7440-23-5	Sodium	50500			P
7440-28-0	Thallium	10	U	N	P
7440-62-2	Vanadium	50	U	N	P
7440-66-6	Zinc	78.9		N	P

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
DUP 050615
(Blind Dup of EW-1)

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY175

Matrix (soil/water): WATER Lab Sample ID: 1505569-005

Level (low/med): LOW Date Received: 05/06/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.7	J	N	P
7440-36-0	Antimony	60	U	N	P
7440-38-2	Arsenic	8.3	J	N	P
7440-39-3	Barium	70.6	J	N	P
7440-41-7	Beryllium	5.0	U	N	P
7440-43-9	Cadmium	2.5	U	N	P
7440-70-2	Calcium	25900			P
7440-47-3	Chromium	10	U	N	P
7440-48-4	Cobalt	50	U	N	P
7440-50-8	Copper	82.7		N	P
7439-89-6	Iron	12.0	J		P
7439-92-1	Lead	7.7		N	P
7439-95-4	Magnesium	5190			P
7439-96-5	Manganese	306			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U	N	P
7440-09-7	Potassium	575	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U	N	P
7440-23-5	Sodium	52000			P
7440-28-0	Thallium	10	U	N	P
7440-62-2	Vanadium	50	U	N	P
7440-66-6	Zinc	170		N	P

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-2 050615

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY175

Matrix (soil/water): WATER Lab Sample ID: 1505569-003

Level (low/med): LOW Date Received: 05/06/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	52.2	J	N	P
7440-36-0	Antimony	60	U	N	P
7440-38-2	Arsenic	5.0	J	N	P
7440-39-3	Barium	184	J	N	P
7440-41-7	Beryllium	5.0	U	N	P
7440-43-9	Cadmium	2.5	U	N	P
7440-70-2	Calcium	21300			P
7440-47-3	Chromium	1.1	J	N	P
7440-48-4	Cobalt	50	U	N	P
7440-50-8	Copper	272		N	P
7439-89-6	Iron	41.4	J		P
7439-92-1	Lead	31.8		N	P
7439-95-4	Magnesium	4700			P
7439-96-5	Manganese	473			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3.8	J	N	P
7440-09-7	Potassium	533	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U	N	P
7440-23-5	Sodium	43500			P
7440-28-0	Thallium	10	U	N	P
7440-62-2	Vanadium	50	U	N	P
7440-66-6	Zinc	552		N	P

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-3 050615

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY175

Matrix (soil/water): WATER Lab Sample ID: 1505569-004

Level (low/med): LOW Date Received: 05/06/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20.7	J	N	P
7440-36-0	Antimony	60	U	N	P
7440-38-2	Arsenic	10	U	N	P
7440-39-3	Barium	705		N	P
7440-41-7	Beryllium	5.0	U	N	P
7440-43-9	Cadmium	2.5	U	N	P
7440-70-2	Calcium	19900			P
7440-47-3	Chromium	1.1	J	N	P
7440-48-4	Cobalt	50	U	N	P
7440-50-8	Copper	5.8	J	N	P
7439-89-6	Iron	24.2	J		P
7439-92-1	Lead	1.2	J	N	P
7439-95-4	Magnesium	902	J		P
7439-96-5	Manganese	231			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U	N	P
7440-09-7	Potassium	951	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U	N	P
7440-23-5	Sodium	210000			P
7440-28-0	Thallium	10	U	N	P
7440-62-2	Vanadium	50	U	N	P
7440-66-6	Zinc	19.9	J	N	P

Comments:

Client:	Pace Analytical Services - NY	**Service Request:**	R1503433
Project:	15050052 Dewey Loeffel	**Date Collected:**	5/ 6/15
Sample Matrix:	Water	**Date Received:**	5/ 7/15
		Date Extracted:	5/13/15
		Date Analyzed:	5/13/15 18:38
Sample Name:	EW-1 050615	**Units:**	µg/L
Lab Code:	R1503433-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	444781
Prep Method:	EPA 3535A	**Extraction Lot:**	235686
Data File Name:	I:\ACQUDATA\5975E\data\051315\AI934.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	6.7		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	91	57-118	5/13/15 18:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1503433
Project:	15050052 Dewey Loeffel	**Date Collected:**	5/ 6/15
Sample Matrix:	Water	**Date Received:**	5/ 7/15
		Date Extracted:	5/13/15
		Date Analyzed:	5/13/15 19:35
Sample Name:	DUP 050615 (Blind Dup of EW-1)	**Units:**	µg/L
Lab Code:	R1503433-005	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	444781
Prep Method:	EPA 3535A	**Extraction Lot:**	235686
Data File Name:	I:\ACQUDATA\5975E\data\051315\AI937.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**6.6**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	91	57-118	5/13/15 19:35	

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Client:	Pace Analytical Services - NY	**Service Request:**	R1503433
Project:	15050052 Dewey Loeffel	**Date Collected:**	5/ 6/15
Sample Matrix:	Water	**Date Received:**	5/ 7/15
		Date Extracted:	5/13/15
		Date Analyzed:	5/13/15 18:57
Sample Name:	EW-2 050615	**Units:**	µg/L
Lab Code:	R1503433-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	444781
Prep Method:	EPA 3535A	**Extraction Lot:**	235686
Data File Name:	I:\ACQUDATA\5975E\data\051315\AI935.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	46		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	90	57-118	5/13/15 18:57	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1503433
Project:	15050052 Dewey Loeffel	**Date Collected:**	5/ 6/15
Sample Matrix:	Water	**Date Received:**	5/ 7/15
		Date Extracted:	5/13/15
		Date Analyzed:	5/14/15 19:57
Sample Name:	EW-3 050615	**Units:**	µg/L
Lab Code:	R1503433-004	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	444884
Prep Method:	EPA 3535A	**Extraction Lot:**	235686
Data File Name:	I:\ACQUDATA\5975E\data\051415\AI985.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**160**		0.40	0.040	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	81	57-118	5/14/15 19:57	

4

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 061815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY224

Matrix: (soil/water) WATER Lab Sample ID: 1506G17-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17717.D

Level: (low/med) LOW Date Received: 06/18/15

% Moisture: not dec. Date Analyzed: 06/23/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	1100	D
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	2500	D
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	560	D
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	220	D
156-59-2	cis-1,2-Dichloroethene	5500	D
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	220	D
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	20000	D
107-06-2	1,2-Dichloroethane	610	D
79-01-6	Trichloroethene	1900	D
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	220	D
108-88-3	Toluene	20000	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

Z MW 07/24/15

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 061815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY224

Matrix: (soil/water) WATER Lab Sample ID: 1506G17-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17717.D

Level: (low/med) LOW Date Received: 06/18/15

% Moisture: not dec. Date Analyzed: 06/23/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	4400	D
100-41-4	Ethylbenzene	450	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	1700	D
95-47-6	o-Xylene	510	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	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 061915

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY225

Matrix: (soil/water) WATER Lab Sample ID: 1506H27-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J17724.D

Level: (low/med) LOW Date Received: 06/19/15

% Moisture: not dec. Date Analyzed: 06/23/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	350	D
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	1900	D
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	260	D
156-59-2	cis-1,2-Dichloroethene	9000	D
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	1300	D
71-55-6	1,1,1-Trichloroethane	440	D
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	25000	D
107-06-2	1,2-Dichloroethane	910	D
79-01-6	Trichloroethene	1600	D
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	3000	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 061915

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY225

Matrix: (soil/water) WATER Lab Sample ID: 1506H27-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J17724.D

Level: (low/med) LOW Date Received: 06/19/15

% Moisture: not dec. Date Analyzed: 06/23/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	6100	D
100-41-4	Ethylbenzene	200	U
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	300	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 061515

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY219

Matrix: (soil/water) WATER Lab Sample ID: 1506E33-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17621.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: not dec. Date Analyzed: 06/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	1500	D
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	1400	D Z MN07/16/15
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	350	D
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	4700	D
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	22000	D
107-06-2	1,2-Dichloroethane	390	D Z MN07/16/15
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	28000	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 061515

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY219

Matrix: (soil/water) WATER Lab Sample ID: 1506E33-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17621.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: not dec. Date Analyzed: 06/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	6400	D
100-41-4	Ethylbenzene	490	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	1900	D
95-47-6	o-Xylene	600	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	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

EPA SAMPLE NO.

EW-7 061615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY220

Matrix: (soil/water) WATER Lab Sample ID: 1506E83-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17622.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: not dec. Date Analyzed: 06/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	710	D
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	930	D
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	14000	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	14000	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7 061615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY220

Matrix: (soil/water) WATER Lab Sample ID: 1506E83-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17622.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: not dec. Date Analyzed: 06/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	3300	D
100-41-4	Ethylbenzene	260	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	930	D
95-47-6	o-Xylene	290	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	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 061715

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY222

Matrix: (soil/water) WATER Lab Sample ID: 1506E99-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17624.D

Level: (low/med) LOW Date Received: 06/17/15

% Moisture: not dec. Date Analyzed: 06/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	
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	2	J Z MNG7/20/15
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	400	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	36	
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

EPA SAMPLE NO.

EW-8 061715

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY222

Matrix: (soil/water) WATER Lab Sample ID: 1506E99-001A

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17624.D

Level: (low/med) LOW Date Received: 06/17/15

% Moisture: not dec. Date Analyzed: 06/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	19	
100-41-4	Ethylbenzene	1	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	2	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 061715DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY222

Matrix: (soil/water) WATER Lab Sample ID: 1506E99-001ADL

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17628.D

Level: (low/med) LOW Date Received: 06/17/15

% Moisture: not dec. Date Analyzed: 06/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 4.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
79-20-9	Methyl Acetate	4	U
108-87-2	Methylcyclohexane	4	U
75-71-8	Dichlorodifluoromethane	4	U
74-87-3	Chloromethane	4	U
75-01-4	Vinyl chloride	4	U
74-83-9	Bromomethane	4	U
75-00-3	Chloroethane	4	U
75-69-4	Trichlorofluoromethane	4	U
75-35-4	1,1-Dichloroethene	4	U
76-13-1	Freon-113	4	U
67-64-1	Acetone	20	U
75-15-0	Carbon disulfide	4	U
75-09-2	Methylene chloride	4	U
156-60-5	trans-1,2-Dichloroethene	4	U
1634-04-4	Methyl tert-butyl ether	4	U
75-34-3	1,1-Dichloroethane	4	U
156-59-2	cis-1,2-Dichloroethene	4	U
78-93-3	2-Butanone	4	U
74-97-5	Bromochloromethane	4	U
67-66-3	Chloroform	4	U
71-55-6	1,1,1-Trichloroethane	4	U
110-82-7	Cyclohexane	4	U
56-23-5	Carbon tetrachloride	4	U
71-43-2	Benzene	370	D
107-06-2	1,2-Dichloroethane	4	U
79-01-6	Trichloroethene	4	U
78-87-5	1,2-Dichloropropane	4	U
75-27-4	Bromodichloromethane	4	U
10061-01-5	cis-1,3-Dichloropropene	4	U
108-10-1	4-Methyl-2-pentanone	4	U
108-88-3	Toluene	30	D
10061-02-6	trans-1,3-Dichloropropene	4	U
79-00-5	1,1,2-Trichloroethane	4	U
127-18-4	Tetrachloroethene	4	U
591-78-6	2-Hexanone	20	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 061715DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY222

Matrix: (soil/water) WATER Lab Sample ID: 1506E99-001ADL

Sample wt/vol: 5 (g/mL) mL Lab File ID: 5\J17628.D

Level: (low/med) LOW Date Received: 06/17/15

% Moisture: not dec. Date Analyzed: 06/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 4.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
124-48-1	Dibromochloromethane	4	U
106-93-4	1,2-Dibromoethane	4	U
108-90-7	Chlorobenzene	16	D
100-41-4	Ethylbenzene	4	U
630-20-6	1,1,1,2-Tetrachloroethane	4	U
179601-23-1	m,p-Xylene	4	U
95-47-6	o-Xylene	4	U
100-42-5	Styrene	4	U
75-25-2	Bromoform	4	U
98-82-8	Isopropylbenzene	4	U
79-34-5	1,1,2,2-Tetrachloroethane	4	U
108-86-1	Bromobenzene	4	U
541-73-1	1,3-Dichlorobenzene	4	U
106-46-7	1,4-Dichlorobenzene	4	U
87-61-6	1,2,3-Trichlorobenzene	4	U
95-50-1	1,2-Dichlorobenzene	4	U
96-12-8	1,2-Dibromo-3-chloropropane	4	U
120-82-1	1,2,4-Trichlorobenzene	4	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY224

Matrix: (soil/water) WATER Lab Sample ID: 1506G17-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29188.D

Level: (low/med) LOW Date Received: 06/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/23/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/26/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	590	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	14	
95-48-7	2-Methylphenol	210	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	530	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	61	
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

EPA SAMPLE NO.

EW-4

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY224

Matrix: (soil/water) WATER Lab Sample ID: 1506G17-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29188.D

Level: (low/med) LOW Date Received: 06/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/23/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/26/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

EPA SAMPLE NO.

EW-4DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY224

Matrix: (soil/water) WATER Lab Sample ID: 1506G17-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29195.D

Level: (low/med) LOW Date Received: 06/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/23/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/26/15

Injection Volume: 2 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	730	D
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	13	DJ
95-48-7	2-Methylphenol	190	D
108-60-1	2,2´-oxybis(1-Chloropropane)	100	U
12-03-3	3-Methylphenol/4-Methylphenol	600	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	U
105-67-9	2,4-Dimethylphenol	46	DJ
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	U
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

EPA SAMPLE NO.

EW-4DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY224

Matrix: (soil/water) WATER Lab Sample ID: 1506G17-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29195.D

Level: (low/med) LOW Date Received: 06/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/23/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/26/15

Injection Volume: 2 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

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-NY225

Matrix: (soil/water) WATER Lab Sample ID: 1506H27-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29199.D

Level: (low/med) LOW Date Received: 06/19/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/26/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	230	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	4	J
95-48-7	2-Methylphenol	79	
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	150	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	17	
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

EPA SAMPLE NO.

EW-5

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY225

Matrix: (soil/water) WATER Lab Sample ID: 1506H27-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29199.D

Level: (low/med) LOW Date Received: 06/19/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/26/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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-5DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY225

Matrix: (soil/water) WATER Lab Sample ID: 1506H27-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29219.D

Level: (low/med) LOW Date Received: 06/19/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/29/15

Injection Volume: 2 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	270	D
111-44-4	Bis(2-chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	50	U
95-48-7	2-Methylphenol	83	D
108-60-1	2,2´-oxybis(1-Chloropropane)	50	U
12-03-3	3-Methylphenol/4-Methylphenol	170	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	18	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

EPA SAMPLE NO.

EW-5DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY225

Matrix: (soil/water) WATER Lab Sample ID: 1506H27-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29219.D

Level: (low/med) LOW Date Received: 06/19/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/29/15

Injection Volume: 2 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

EPA SAMPLE NO.

EW-6

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY219

Matrix: (soil/water) WATER Lab Sample ID: 1506E33-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29097.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/18/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/21/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	990	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	20	
95-48-7	2-Methylphenol	390	E
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	1500	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	290	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	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

EPA SAMPLE NO.

EW-6

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY219

Matrix: (soil/water) WATER Lab Sample ID: 1506E33-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29097.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/18/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/21/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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	1	J
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-NY219

Matrix: (soil/water) WATER Lab Sample ID: 1506E33-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29108.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/18/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/22/15

Injection Volume: 2 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	1200	D
111-44-4	Bis(2-chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	370	DJ
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	230	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

EPA SAMPLE NO.

EW-6DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY219

Matrix: (soil/water) WATER Lab Sample ID: 1506E33-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29108.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/18/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/22/15

Injection Volume: 2 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

EPA SAMPLE NO.

EW-7

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY220

Matrix: (soil/water) WATER Lab Sample ID: 1506E83-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29134.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	47	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	1	J
95-48-7	2-Methylphenol	51	
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	490	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	110	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

EPA SAMPLE NO.

EW-7

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY220

Matrix: (soil/water) WATER Lab Sample ID: 1506E83-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29134.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

EPA SAMPLE NO.

EW-7DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY220

Matrix: (soil/water) WATER Lab Sample ID: 1506E83-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29141.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/15

Injection Volume: 2 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	54	DJ
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	54	DJ
108-60-1	2,2´-oxybis(1-Chloropropane)	100	U
12-03-3	3-Methylphenol/4-Methylphenol	700	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	U
105-67-9	2,4-Dimethylphenol	120	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	U
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

EPA SAMPLE NO.

EW-7DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY220

Matrix: (soil/water) WATER Lab Sample ID: 1506E83-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29141.D

Level: (low/med) LOW Date Received: 06/16/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/15

Injection Volume: 2 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY222

Matrix: (soil/water) WATER Lab Sample ID: 1506E99-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29144.D

Level: (low/med) LOW Date Received: 06/17/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/22/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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	10	U
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	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

EPA SAMPLE NO.

EW-8

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY222

Matrix: (soil/water) WATER Lab Sample ID: 1506E99-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29144.D

Level: (low/med) LOW Date Received: 06/17/15

% Moisture: Decanted: (Y/N) N Date Extracted: 06/22/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 06/24/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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: 15060493

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 061815
Lab Sample ID: 15060493-01 (AS14063)

Collection Date: 06/18/2015 11:00
Sample Matrix: WATER
Received Date: 06/18/2015 15:58
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1652-10	SW-846 Method 8082A	06/23/2015 12:02	ALH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31155	EPA 3535A	06/22/2015 07:30	ER	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-1652-10
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1652-10
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1652-10
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1652-10
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1652-10
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1652-10
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1652-10
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1652-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	82.0	47.0-123		GC28F-1652-10
Decachlorobiphenyl	2051-24-3	91.4	35.0-153		GC28F-1652-10
Tetrachloro-meta-xylene	877-09-8	76.2	47.0-123		GC28B-1649-10
Decachlorobiphenyl	2051-24-3	90.1	35.0-153		GC28B-1649-10

[1]Qualifier 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: 15060537

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 061915
Lab Sample ID: 15060537-01 (AS14278)

Collection Date: 06/19/2015 11:30
Sample Matrix: WATER
Received Date: 06/19/2015 14:55
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1659-10	SW-846 Method 8082A	06/30/2015 15:27	RF	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31259	EPA 3535A	06/29/2015 14:55	KEN	1070 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-1659-10
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1659-10
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1659-10
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1659-10
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1659-10
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1659-10
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1659-10
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1659-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	92.9	47.0-123		GC28F-1659-10
Decachlorobiphenyl	2051-24-3	103	35.0-153		GC28F-1659-10
Tetrachloro-meta-xylene	877-09-8	89.9	47.0-123		GC28B-1656-10
Decachlorobiphenyl	2051-24-3	95.5	35.0-153		GC28B-1656-10

[1]Qualifier 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: 15060401

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 061515
Lab Sample ID: 15060401-01 (AS13487)

Collection Date: 06/15/2015 11:30
Sample Matrix: WATER
Received Date: 06/15/2015 14:06
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1652-7	SW-846 Method 8082A	06/23/2015 11:20	ALH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31155	EPA 3535A	06/22/2015 07:30	ER	1070 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-1652-7
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1652-7
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1652-7
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1652-7
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1652-7
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1652-7
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1652-7
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1652-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	92.1	47.0-123		GC28F-1652-7
Decachlorobiphenyl	2051-24-3	98.0	35.0-153		GC28F-1652-7
Tetrachloro-meta-xylene	877-09-8	81.6	47.0-123		GC28B-1649-7
Decachlorobiphenyl	2051-24-3	95.0	35.0-153		GC28B-1649-7

[1]Qualifier 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: 15060407

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 061615
Lab Sample ID: 15060407-01 (AS13553)

Collection Date: 06/16/2015 11:00
Sample Matrix: WATER
Received Date: 06/16/2015 14:38
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1654-20	SW-846 Method 8082A	06/25/2015 16:16	ALH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31155	EPA 3535A	06/22/2015 07:30	ER	1070 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-1654-20
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1654-20
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1654-20
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1654-20
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1654-20
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1654-20
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1654-20
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1654-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	80.4	47.0-123		GC28F-1654-20
Decachlorobiphenyl	2051-24-3	89.6	35.0-153		GC28F-1654-20
Tetrachloro-meta-xylene	877-09-8	81.0	47.0-123		GC28B-1651-20
Decachlorobiphenyl	2051-24-3	90.8	35.0-153		GC28B-1651-20

[1]Qualifier 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: 15060462

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 061715
Lab Sample ID: 15060462-01 (AS13876)

Collection Date: 06/17/2015 11:30
Sample Matrix: WATER
Received Date: 06/17/2015 14:22
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1652-9	SW-846 Method 8082A	06/23/2015 11:48	ALH	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31155	EPA 3535A	06/22/2015 07:30	ER	1070 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-1652-9
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1652-9
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1652-9
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1652-9
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1652-9
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1652-9
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1652-9
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1652-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	91.1	47.0-123		GC28F-1652-9
Decachlorobiphenyl	2051-24-3	96.5	35.0-153		GC28F-1652-9
Tetrachloro-meta-xylene	877-09-8	80.7	47.0-123		GC28B-1649-9
Decachlorobiphenyl	2051-24-3	94.5	35.0-153		GC28B-1649-9

[1]Qualifier 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-4

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY224

Matrix (soil/water): WATER Lab Sample ID: 1506G17-001

Level (low/med): LOW Date Received: 06/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	88.2	B		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	9.7	J		P
7440-39-3	Barium	3300			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	50700			P
7440-47-3	Chromium	4.5	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	133			P
7439-92-1	Lead	8.8			P
7439-95-4	Magnesium	3630			P
7439-96-5	Manganese	1370			P
7439-97-6	Mercury	0.031	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1110	J		P
7782-49-2	Selenium	3.8	J		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	133000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	20.8			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Completed 8/4/15

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-5

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY225

Matrix (soil/water): WATER Lab Sample ID: 1506H27-001

Level (low/med): LOW Date Received: 06/19/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	49.5	J		P
7440-36-0	Antimony	22.6	J		P
7440-38-2	Arsenic	23.3			P
7440-39-3	Barium	261			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	138000			P
7440-47-3	Chromium	3.5	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	7.7	J		P
7439-89-6	Iron	286			P
7439-92-1	Lead	10			P
7439-95-4	Magnesium	29000			P
7439-96-5	Manganese	2470			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	3020	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	78200			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	269			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Completed 8/4/15

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-6 061515

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY219

Matrix (soil/water): WATER Lab Sample ID: 1606E33-001

Level (low/med): LOW Date Received: 06/16/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	38.9	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	11.5			P
7440-39-3	Barium	6360			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	227000			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	299			P
7439-92-1	Lead	2.9	J		P
7439-95-4	Magnesium	39700			P
7439-96-5	Manganese	1900			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2820	J		P
7782-49-2	Selenium	2.6	J		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	31500			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	161			P

Comments:
Date Corrected: 3/1/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-7 061615

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY220

Matrix (soil/water): WATER Lab Sample ID: 1506E83-001

Level (low/med): LOW Date Received: 06/16/2015

% Solids: 0.0

Concentration 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	4810			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	205000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	16.9	J		P
7439-89-6	Iron	511			P
7439-92-1	Lead	6.7			P
7439-95-4	Magnesium	54100			P
7439-96-5	Manganese	830			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2680	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	21100			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	367			P

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-8 061715

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY222

Matrix (soil/water): WATER Lab Sample ID: 1506E99-001

Level (low/med): LOW Date Received: 06/17/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	698		E	P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	4.1	J		P
7440-39-3	Barium	250			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	14300			P
7440-47-3	Chromium	1.3	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	6.6	J		P
7439-89-6	Iron	578			P
7439-92-1	Lead	19.9		~~MN~~ N	P
7439-95-4	Magnesium	1720			P
7439-96-5	Manganese	631		E	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1150	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	89900		E	P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	90.2		E	P

JA 8-10-15

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1504951
Project:	15060492/Dewey Loeffel	**Date Collected:**	6/18/15 1100
Sample Matrix:	Water	**Date Received:**	6/20/15
		Date Extracted:	6/23/15
		Date Analyzed:	6/24/15 09:41
Sample Name:	EW-4-061815	**Units:**	µg/L
Lab Code:	R1504951-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	450389
Prep Method:	EPA 3535A	**Extraction Lot:**	238767
Data File Name:	I:\ACQUDATA\5975E\data\062415\AJ269.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**190**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	90	57-118	6/24/15 09:41	

Summ00007 Rev

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1504950
Project:	15060536/Dewey Loeffel	**Date Collected:**	6/19/15 1130
Sample Matrix:	Water	**Date Received:**	6/20/15
		Date Extracted:	6/23/15
		Date Analyzed:	6/24/15 09:22
Sample Name:	EW-5 061915	**Units:**	µg/L
Lab Code:	R1504950-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	450389
Prep Method:	EPA 3535A	**Extraction Lot:**	238767
Data File Name:	I:\ACQUDATA\5975E\data\062415\AJ268.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**170**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	88	57-118	6/24/15 09:22	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1504748
Project:	15060400/Dewey Loeffel	**Date Collected:**	6/15/15 1130
Sample Matrix:	Water	**Date Received:**	6/16/15
		Date Extracted:	6/22/15
		Date Analyzed:	6/23/15 13:19
Sample Name:	EW-6 061515	**Units:**	µg/L
Lab Code:	R1504748-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	450347
Prep Method:	EPA 3535A	**Extraction Lot:**	238669
Data File Name:	I:\ACQUDATA\5975E\data\062315\AJ235.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**720**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	88	57-118	6/23/15 13:19	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1504797
Project:	15060408/Dewey Loeffel	**Date Collected:**	6/16/15
Sample Matrix:	Water	**Date Received:**	6/17/15
		Date Extracted:	6/22/15
		Date Analyzed:	6/23/15 13:37
Sample Name:	EW-7 061615	**Units:**	µg/L
Lab Code:	R1504797-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	450347
Prep Method:	EPA 3535A	**Extraction Lot:**	238669
Data File Name:	I:\ACQUDATA\5975E\data\062315\AJ236.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**880**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	101	57-118	6/23/15 13:37	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1504860
Project:	15060458/Dewey Loeffel	**Date Collected:**	6/17/15 1130
Sample Matrix:	Water	**Date Received:**	6/18/15
		Date Extracted:	6/22/15
		Date Analyzed:	6/23/15 13:01
Sample Name:	EW-8 061715	**Units:**	µg/L
Lab Code:	R1504860-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	450347
Prep Method:	EPA 3535A	**Extraction Lot:**	238669
Data File Name:	I:\ACQUDATA\5975E\data\062315\AJ234.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**26**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	82	57-118	6/23/15 13:01	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 070815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY238

Matrix: (soil/water) WATER Lab Sample ID: 1507614-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F71924.D

Level: (low/med) LOW Date Received: 07/08/15

% Moisture: not dec. Date Analyzed: 07/10/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	3	
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	13	
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	730	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	3	
108-88-3	Toluene	78	
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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 070815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY238

Matrix: (soil/water) WATER Lab Sample ID: 1507614-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F71924.D

Level: (low/med) LOW Date Received: 07/08/15

% Moisture: not dec. Date Analyzed: 07/10/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	62	
100-41-4	Ethylbenzene	3	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	9	
95-47-6	o-Xylene	2	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 070815 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY238

Matrix: (soil/water) WATER Lab Sample ID: 1507614-001A DL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F71925.D

Level: (low/med) LOW Date Received: 07/08/15

% Moisture: not dec. Date Analyzed: 07/10/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 50.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	50	U
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	1400	D
107-06-2	1,2-Dichloroethane	50	U
79-01-6	Trichloroethene	50	U
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	90	D
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 070815 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY238

Matrix: (soil/water) WATER Lab Sample ID: 1507614-001A DL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F71925.D

Level: (low/med) LOW Date Received: 07/08/15

% Moisture: not dec. Date Analyzed: 07/10/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 50.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	67	D
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	50	U

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY238

Matrix: (soil/water) WATER Lab Sample ID: 1507614-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29468.D

Level: (low/med) LOW Date Received: 07/08/15

% Moisture: Decanted: (Y/N) N Date Extracted: 07/13/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 07/15/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	5	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	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	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

EPA SAMPLE NO.

EW-8

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY238

Matrix: (soil/water) WATER Lab Sample ID: 1507614-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R29468.D

Level: (low/med) LOW Date Received: 07/08/15

% Moisture: Decanted: (Y/N) N Date Extracted: 07/13/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 07/15/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

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 070815
Lab Sample ID: 15070156-01 (AS16705)

Collection Date: 07/08/2015 11:00
Sample Matrix: WATER
Received Date: 07/08/2015 13:25
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1673-7	SW-846 Method 8082A	07/14/2015 12:50	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31405	EPA 3510C	07/13/2015 11:02	KEN	1070 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-1673-7
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1673-7
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1673-7
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1673-7
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1673-7
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1673-7
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1673-7
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1673-7

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	94.5	47.0-123		GC28F-1673-7
Decachlorobiphenyl	2051-24-3	106	35.0-153		GC28F-1673-7

[1]Qualifier 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-8 070815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY238

Matrix (soil/water): WATER Lab Sample ID: 1507614-001

Level (low/med): LOW Date Received: 07/08/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	155	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	5.5	J		P
7440-39-3	Barium	336			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	19700			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	10.7	J		P
7439-89-6	Iron	254			P
7439-92-1	Lead	5.6			P
7439-95-4	Magnesium	2150			P
7439-96-5	Manganese	619			P
7439-97-6	Mercury	0.054	J	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	929	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	127000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	96.5			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Completed 8/28/2015

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1505506
Project:	15070155/Dewey Loeffel	**Date Collected:**	7/ 8/15 1100
Sample Matrix:	Water	**Date Received:**	7/ 9/15
		Date Extracted:	7/13/15
		Date Analyzed:	7/13/15 11:51
Sample Name:	EW-8-070815	**Units:**	µg/L
Lab Code:	R1505506-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	452792
Prep Method:	EPA 3535A	**Extraction Lot:**	240130
Data File Name:	I:\ACQUDATA\5975E\data\071315\AJ462.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	66		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	90	64-124	7/13/15 11:51	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72397.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	29	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	24	
76-13-1	Freon-113	1	U
67-64-1	Acetone	31	
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	130	
156-60-5	trans-1,2-Dichloroethene	3	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	46	
156-59-2	cis-1,2-Dichloroethene	460	E
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	38	
71-55-6	1,1,1-Trichloroethane	10	
110-82-7	Cyclohexane	2	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	400	E
107-06-2	1,2-Dichloroethane	120	
79-01-6	Trichloroethene	2400	E
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	3	
108-88-3	Toluene	220	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	29	Z MN 08/01/15
591-78-6	2-Hexanone	5	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72397.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	26	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	30	
95-47-6	o-Xylene	32	
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	1	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	
106-46-7	1,4-Dichlorobenzene	11	
87-61-6	1,2,3-Trichlorobenzene	21	
95-50-1	1,2-Dichlorobenzene	5	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	97	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72455.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/21/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	Freon-113	100	U
67-64-1	Acetone	500	U
75-15-0	Carbon disulfide	100	U
75-09-2	Methylene chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	610	D
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	670	D
107-06-2	1,2-Dichloroethane	160	D
79-01-6	Trichloroethene	7600	D
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	310	D
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72455.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/21/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 100.00

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72401.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	5	
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	300	E
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	2	
75-69-4	Trichlorofluoromethane	2	
75-35-4	1,1-Dichloroethene	110	
76-13-1	Freon-113	1	U
67-64-1	Acetone	640	E
75-15-0	Carbon disulfide	1	
75-09-2	Methylene chloride	1700	E
156-60-5	trans-1,2-Dichloroethene	20	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	210	E
156-59-2	cis-1,2-Dichloroethene	2500	E
78-93-3	2-Butanone	81	
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	850	E
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	17	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	960	E
107-06-2	1,2-Dichloroethane	580	E
79-01-6	Trichloroethene	4400	E
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	41	
108-88-3	Toluene	1100	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	4	
127-18-4	Tetrachloroethene	190	Z MN 09/01/15
591-78-6	2-Hexanone	5	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72401.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	630	E
100-41-4	Ethylbenzene	280	E
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	480	E
95-47-6	o-Xylene	320	E
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	10	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	11	
106-46-7	1,4-Dichlorobenzene	90	
87-61-6	1,2,3-Trichlorobenzene	230	E
95-50-1	1,2-Dichlorobenzene	43	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	780	E

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-003ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72418.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	350	D
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	560	DJ
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	3400	D
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	210	D
156-59-2	cis-1,2-Dichloroethene	6200	D
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	1000	D
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	D
107-06-2	1,2-Dichloroethane	1000	D
79-01-6	Trichloroethene	34000	D
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	8000	D
10061-02-6	trans-1,3-Dichloropropene	200	U
79-00-5	1,1,2-Trichloroethane	200	U
127-18-4	Tetrachloroethene	220	D 2
591-78-6	2-Hexanone	1000	U

MN 09/01/15

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-003ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72418.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	1200	D
100-41-4	Ethylbenzene	320	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	660	D
95-47-6	o-Xylene	370	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	330	D
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	1200	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72403.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	470	E
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	1	U
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	29	
76-13-1	Freon-113	1	U
67-64-1	Acetone	690	E
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	42	
156-60-5	trans-1,2-Dichloroethene	14	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	130	
156-59-2	cis-1,2-Dichloroethene	1400	E
78-93-3	2-Butanone	150	
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	130	
71-55-6	1,1,1-Trichloroethane	45	
110-82-7	Cyclohexane	11	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1400	E
107-06-2	1,2-Dichloroethane	260	E
79-01-6	Trichloroethene	480	E
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	100	
108-88-3	Toluene	1300	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	U
127-18-4	Tetrachloroethene	3	Z MN 09/01/2015
591-78-6	2-Hexanone	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72403.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	870	E
100-41-4	Ethylbenzene	160	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	470	E
95-47-6	o-Xylene	190	
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	2	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	
106-46-7	1,4-Dichlorobenzene	11	
87-61-6	1,2,3-Trichlorobenzene	11	
95-50-1	1,2-Dichlorobenzene	3	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	51	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-004ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72419.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	600	D
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	730	DJ
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	2200	D
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	12000	D
107-06-2	1,2-Dichloroethane	600	D
79-01-6	Trichloroethene	890	D
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	11000	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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-004ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72419.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	2100	D
100-41-4	Ethylbenzene	200	U
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	640	D
95-47-6	o-Xylene	210	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	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	230	D

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72430.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/20/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	2	
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	
75-01-4	Vinyl chloride	920	E
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	7	
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	140	
76-13-1	Freon-113	1	U
67-64-1	Acetone	810	E
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1000	E
156-60-5	trans-1,2-Dichloroethene	40	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	330	E
156-59-2	cis-1,2-Dichloroethene	3200	E
78-93-3	2-Butanone	130	Z
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	800	E
71-55-6	1,1,1-Trichloroethane	330	E
110-82-7	Cyclohexane	24	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	2200	E
107-06-2	1,2-Dichloroethane	310	E
79-01-6	Trichloroethene	850	E
78-87-5	1,2-Dichloropropane	1	
75-27-4	Bromodichloromethane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
108-10-1	4-Methyl-2-pentanone	160	Z
108-88-3	Toluene	1400	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	2	
127-18-4	Tetrachloroethene	10	Z MN 09/01/2015
591-78-6	2-Hexanone	5	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72430.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/20/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1400	E
100-41-4	Ethylbenzene	200	E
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	560	E
95-47-6	o-Xylene	280	E
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	4	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	2	
106-46-7	1,4-Dichlorobenzene	23	
87-61-6	1,2,3-Trichlorobenzene	24	
95-50-1	1,2-Dichlorobenzene	8	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	120	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72421.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	1100	D
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	710	DJ
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	1300	D
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	330	D
156-59-2	cis-1,2-Dichloroethene	7500	D
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	820	D
71-55-6	1,1,1-Trichloroethane	310	D
110-82-7	Cyclohexane	200	U
56-23-5	Carbon tetrachloride	200	U
71-43-2	Benzene	24000	D
107-06-2	1,2-Dichloroethane	1500	D
79-01-6	Trichloroethene	1200	D
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	10000	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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72421.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	4800	D
100-41-4	Ethylbenzene	200	U
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	640	D
95-47-6	o-Xylene	270	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	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1 081215

(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72457.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/21/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	2	
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	3	
75-01-4	Vinyl chloride	970	E
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	10	
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	150	
76-13-1	Freon-113	1	U
67-64-1	Acetone	870	E
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1100	E
156-60-5	trans-1,2-Dichloroethene	42	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	360	E
156-59-2	cis-1,2-Dichloroethene	3300	E
78-93-3	2-Butanone	140	
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	860	E
71-55-6	1,1,1-Trichloroethane	340	E
110-82-7	Cyclohexane	23	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	2100	E
107-06-2	1,2-Dichloroethane	340	E
79-01-6	Trichloroethene	880	E
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	170	
108-88-3	Toluene	1400	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	2	
127-18-4	Tetrachloroethene	10	Z MN 09/01/2015
591-78-6	2-Hexanone	5	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1 081215

(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72457.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/21/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1400	E
100-41-4	Ethylbenzene	200	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	530	E
95-47-6	o-Xylene	270	E
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	3	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	2	
106-46-7	1,4-Dichlorobenzene	22	
87-61-6	1,2,3-Trichlorobenzene	23	
95-50-1	1,2-Dichlorobenzene	8	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	110	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1 081215DL

(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-007ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72422.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	1200	D
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	590	DJ
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	1400	D
156-60-5	trans-1,2-Dichloroethene	200	U
1634-04-4	Methyl tert-butyl ether	200	U
75-34-3	1,1-Dichloroethane	340	D
156-59-2	cis-1,2-Dichloroethene	8100	D
78-93-3	2-Butanone	200	U
74-97-5	Bromochloromethane	200	U
67-66-3	Chloroform	940	D
71-55-6	1,1,1-Trichloroethane	330	D
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	1600	D
79-01-6	Trichloroethene	1400	D
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	11000	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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1 081215DL

(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-007ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72422.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	5100	D
100-41-4	Ethylbenzene	200	U
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	660	D
95-47-6	o-Xylene	280	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	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72405.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	5	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	5	
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	19	
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	2	
156-59-2	cis-1,2-Dichloroethene	10	
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	730	E
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	14	
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	4	
108-88-3	Toluene	300	E
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

EPA SAMPLE NO.

EW-8 081215

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72405.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	8	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	23	
95-47-6	o-Xylene	7	
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	2	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-006ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72420.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	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	11	DJ
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	D
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	1800	D
107-06-2	1,2-Dichloroethane	10	U
79-01-6	Trichloroethene	16	D
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	410	D
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.

EW-8 081215DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-006ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72420.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/19/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	120	D
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	22	D
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72392.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72392.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75077.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	10	U
95-48-7	2-Methylphenol	8	J
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	6	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	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

EPA SAMPLE NO.

EW-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75077.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	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

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-2

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75078.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	150	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	55	
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	3	J
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	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	1	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

EPA SAMPLE NO.

EW-2

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75078.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	19	
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	1	BJ
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-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-003BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75180.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	190	D
111-44-4	Bis(2-chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	50	U
95-48-7	2-Methylphenol	65	D
108-60-1	2,2´-oxybis(1-Chloropropane)	50	U
12-03-3	3-Methylphenol/4-Methylphenol	140	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	12	DJ
111-91-1	Bis(2-chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	50	U
91-20-3	Naphthalene	11	DJ
106-47-8	4-Chloroaniline	50	U
87-68-3	Hexachlorobutadiene	50	U
59-50-7	4-Chloro-3-methylphenol	9	DJ
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

EPA SAMPLE NO.

EW-2DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-003BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75180.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	16	DJ
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

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75079.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	230	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	8	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	430	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	62	
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

EPA SAMPLE NO.

EW-3

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75079.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-3DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-004BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75181.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	360	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	750	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	87	DJ
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	21	DJ
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

EPA SAMPLE NO.

EW-3DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-004BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75181.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75082.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	150	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	3	J
95-48-7	2-Methylphenol	100	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	290	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	43	
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

EPA SAMPLE NO.

EW-5

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75082.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-5RE

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75185.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	220	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	8	J
95-48-7	2-Methylphenol	140	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	340	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	51	
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	29	
106-47-8	4-Chloroaniline	6	J
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	7	J
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

EPA SAMPLE NO.

EW-5RE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75185.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-5DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75182.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	200	D
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	130	D
108-60-1	2,2´-oxybis(1-Chloropropane)	100	U
12-03-3	3-Methylphenol/4-Methylphenol	410	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	U
105-67-9	2,4-Dimethylphenol	52	DJ
111-91-1	Bis(2-chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
91-20-3	Naphthalene	32	DJ
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	U
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

EPA SAMPLE NO.

EW-5DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-005BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75182.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/24/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

EPA SAMPLE NO.

DUP-1

(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-007B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75084.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	9	J
95-48-7	2-Methylphenol	150	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	380	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	54	
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	1	J
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

EPA SAMPLE NO.

DUP-1

(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-007B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75084.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	2	BJ
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

EPA SAMPLE NO.

DUP-1DL

(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-007BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75183.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	380	D
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	220	D
108-60-1	2,2´-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	620	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	74	DJ
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	42	DJ
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

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

DUP-1DL

(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-007BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75183.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-8

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-006B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75083.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted:(Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	4	J
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	2	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	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	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

EPA SAMPLE NO.

EW-8

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-006B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75083.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

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Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-1 081215
Lab Sample ID: 15080351-02 (AS23444)

Collection Date: 08/12/2015 08:00
Sample Matrix: WATER
Received Date: 08/12/2015 14:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1708-10	SW-846 Method 8082A	08/18/2015 15:16	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31855	EPA 3535A	08/17/2015 08:49	KEN	1070 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-1708-10
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1708-10
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1708-10
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1708-10
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1708-10
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1708-10
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1708-10
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1708-10

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	101	47.0-123		GC28B-1705-10
Decachlorobiphenyl	2051-24-3	105	35.0-153		GC28B-1705-10
Tetrachloro-meta-xylene	877-09-8	91.1	47.0-123		GC28F-1708-10
Decachlorobiphenyl	2051-24-3	113	35.0-153		GC28F-1708-10

[1]Qualifier 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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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-2 081215
Lab Sample ID: 15080351-03 (AS23445)

Collection Date: 08/12/2015 09:00
Sample Matrix: WATER
Received Date: 08/12/2015 14:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1708-11	SW-846 Method 8082A	08/18/2015 15:29	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31855	EPA 3535A	08/17/2015 08:49	KEN	1070 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-1708-11
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1708-11
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1708-11
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1708-11
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1708-11
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1708-11
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1708-11
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1708-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	93.6	47.0-123		GC28B-1705-11
Decachlorobiphenyl	2051-24-3	94.2	35.0-153		GC28B-1705-11
Tetrachloro-meta-xylene	877-09-8	94.7	47.0-123		GC28F-1708-11
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28F-1708-11

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

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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-3 081215
Lab Sample ID: 15080351-04 (AS23446)

Collection Date: 08/12/2015 10:00
Sample Matrix: WATER
Received Date: 08/12/2015 14:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1708-12	SW-846 Method 8082A	08/18/2015 15:43	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31855	EPA 3535A	08/17/2015 08:49	KEN	1070 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-1708-12
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1708-12
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1708-12
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1708-12
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1708-12
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1708-12
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1708-12
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1708-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	82.0	47.0-123		GC28B-1705-12
Decachlorobiphenyl	2051-24-3	96.1	35.0-153		GC28B-1705-12
Tetrachloro-meta-xylene	877-09-8	89.1	47.0-123		GC28F-1708-12
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28F-1708-12

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

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

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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-5 081215
Lab Sample ID: 15080351-05 (AS23447)

Collection Date: 08/12/2015 11:00
Sample Matrix: WATER
Received Date: 08/12/2015 14:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1708-13	SW-846 Method 8082A	08/18/2015 15:57	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31855	EPA 3535A	08/17/2015 08:49	KEN	1070 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-1708-13
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1708-13
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1708-13
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1708-13
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1708-13
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1708-13
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1708-13
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1708-13

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	104	47.0-123		GC28B-1705-13
Decachlorobiphenyl	2051-24-3	107	35.0-153		GC28B-1705-13
Tetrachloro-meta-xylene	877-09-8	99.2	47.0-123		GC28F-1708-13
Decachlorobiphenyl	2051-24-3	115	35.0-153		GC28F-1708-13

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

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

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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: DUP-1 081215 (Blind Dup of EW-5)
Lab Sample ID: 15080351-07 (AS23449)

Collection Date: 08/12/2015
Sample Matrix: WATER
Received Date: 08/12/2015 14:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1708-17	SW-846 Method 8082A	08/18/2015 16:52	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31855	EPA 3535A	08/17/2015 08:49	KEN	1070 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-1708-17
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1708-17
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1708-17
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1708-17
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1708-17
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1708-17
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1708-17
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1708-17

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	97.2	47.0-123		GC28B-1705-17
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28B-1705-17
Tetrachloro-meta-xylene	877-09-8	92.1	47.0-123		GC28F-1708-17
Decachlorobiphenyl	2051-24-3	108	35.0-153		GC28F-1708-17

[1]Qualifier 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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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-8 081215
Lab Sample ID: 15080351-06 (AS23448)

Collection Date: 08/12/2015 12:00
Sample Matrix: WATER
Received Date: 08/12/2015 14:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1708-16	SW-846 Method 8082A	08/18/2015 16:38	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31855	EPA 3535A	08/17/2015 08:49	KEN	1070 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-1708-16
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1708-16
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1708-16
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1708-16
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1708-16
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1708-16
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1708-16
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1708-16

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	93.5	47.0-123		GC28B-1705-16
Decachlorobiphenyl	2051-24-3	105	35.0-153		GC28B-1705-16
Tetrachloro-meta-xylene	877-09-8	96.3	47.0-123		GC28F-1708-16
Decachlorobiphenyl	2051-24-3	116	35.0-153		GC28F-1708-16

[1]Qualifier 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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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-1 081215

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY254

Matrix (soil/water): WATER Lab Sample ID: 1508949-002

Level (low/med): LOW Date Received: 08/13/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	70.3	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	6.0	J		P
7440-39-3	Barium	68.5	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	24000			P
7440-47-3	Chromium	1.3	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	2.4	J		P
7439-89-6	Iron	82.3	J		P
7439-92-1	Lead	9.9		N	P
7439-95-4	Magnesium	4680			P
7439-96-5	Manganese	278			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	469	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	55300			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	38.9			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-2 081215

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY254

Matrix (soil/water): WATER Lab Sample ID: 1508949-003

Level (low/med): LOW Date Received: 08/13/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	65.9	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	6.1	J		P
7440-39-3	Barium	186	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	19300			P
7440-47-3	Chromium	3.0	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	3.4	J		P
7439-89-6	Iron	30.2	J		P
7439-92-1	Lead	6.7		N	P
7439-95-4	Magnesium	4330			P
7439-96-5	Manganese	453			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	482	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	50200			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	74.7			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-3 081215

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY254

Matrix (soil/water): WATER Lab Sample ID: 1508949-004

Level (low/med): LOW Date Received: 08/13/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	55.1	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	697			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	25600			P
7440-47-3	Chromium	1.3	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	58.7	J		P
7439-92-1	Lead	13.3		N	P
7439-95-4	Magnesium	1340			P
7439-96-5	Manganese	269			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	814	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	207000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	26.8			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-5 081215

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY254

Matrix (soil/water): WATER Lab Sample ID: 1508949-005

Level (low/med): LOW Date Received: 08/13/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	65.5	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	14.4			P
7440-39-3	Barium	553			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	128000			P
7440-47-3	Chromium	1.0	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	185			P
7439-92-1	Lead	11.4		N	P
7439-95-4	Magnesium	21800			P
7439-96-5	Manganese	1900			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1500	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	110000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	112			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
DUP-1 081215
(Blind Dup of EW-5)

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY254

Matrix (soil/water): WATER Lab Sample ID: 1508949-007

Level (low/med): LOW Date Received: 08/13/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	56.9	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	14.9			P
7440-39-3	Barium	543			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	127000			P
7440-47-3	Chromium	1.4	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	184			P
7439-92-1	Lead	11.1		N	P
7439-95-4	Magnesium	21600			P
7439-96-5	Manganese	1880			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1540	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	109000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	478			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-8 081215

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY254

Matrix (soil/water): WATER Lab Sample ID: 1508949-006

Level (low/med): LOW Date Received: 08/13/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	74.0	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	2.3	J		P
7440-39-3	Barium	328			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	20300			P
7440-47-3	Chromium	1.4	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	74.3	J		P
7439-92-1	Lead	6.8		N	P
7439-95-4	Magnesium	1890			P
7439-96-5	Manganese	358			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	812	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	175000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	19.2	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

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ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1506685
Project:	15080349/Dewey Loeffel	**Date Collected:**	8/12/15
Sample Matrix:	Water	**Date Received:**	8/13/15
		Date Extracted:	8/14/15
		Date Analyzed:	8/14/15 20:03
Sample Name:	EW-1 081215	**Units:**	µg/L
Lab Code:	R1506685-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	458164
Prep Method:	EPA 3535A	**Extraction Lot:**	242569
Data File Name:	I:\ACQUDATA\5975E\data\081415\AJ698.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**6.8**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	99	64-124	8/14/15 20:03	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1506685
Project:	15080349/Dewey Loeffel	**Date Collected:**	8/12/15
Sample Matrix:	Water	**Date Received:**	8/13/15
		Date Extracted:	8/14/15
		Date Analyzed:	8/14/15 20:22
Sample Name:	EW-2 081215	**Units:**	µg/L
Lab Code:	R1506685-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	458164
Prep Method:	EPA 3535A	**Extraction Lot:**	242569
Data File Name:	I:\ACQUDATA\5975E\data\081415\AJ699.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**45**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	94	64-124	8/14/15 20:22	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1506685
Project:	15080349/Dewey Loeffel	**Date Collected:**	8/12/15
Sample Matrix:	Water	**Date Received:**	8/13/15
		Date Extracted:	8/14/15
		Date Analyzed:	8/14/15 18:11
Sample Name:	EW-3 081215	**Units:**	µg/L
Lab Code:	R1506685-004	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	458164
Prep Method:	EPA 3535A	**Extraction Lot:**	242569
Data File Name:	I:\ACQUDATA\5975E\data\081415\AJ692.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	170		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	87	64-124	8/14/15 18:11	

Client:	Pace Analytical Services - NY	**Service Request:**	R1506685
Project:	15080349/Dewey Loeffel	**Date Collected:**	8/12/15
Sample Matrix:	Water	**Date Received:**	8/13/15
		Date Extracted:	8/14/15
		Date Analyzed:	8/14/15 19:07
Sample Name:	EW-5 081215	**Units:**	µg/L
Lab Code:	R1506685-005	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	458164
Prep Method:	EPA 3535A	**Extraction Lot:**	242569
Data File Name:	I:\ACQUDATA\5975E\data\081415\AJ695.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**230**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	79	64-124	8/14/15 19:07	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1506685
Project:	15080349/Dewey Loeffel	**Date Collected:**	8/12/15
Sample Matrix:	Water	**Date Received:**	8/13/15
		Date Extracted:	8/14/15
		Date Analyzed:	8/14/15 19:44
Sample Name:	DUP-2 081215 (Blind Dup of EW-5)	**Units:**	µg/L
Lab Code:	R1506685-007	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	458164
Prep Method:	EPA 3535A	**Extraction Lot:**	242569
Data File Name:	I:\ACQUDATA\5975E\data\081415\AJ697.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**230**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	78	64-124	8/14/15 19:44	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1506685
Project:	15080349/Dewey Loeffel	**Date Collected:**	8/12/15
Sample Matrix:	Water	**Date Received:**	8/13/15
		Date Extracted:	8/14/15
		Date Analyzed:	8/14/15 20:59
Sample Name:	EW-8 081215	**Units:**	µg/L
Lab Code:	R1506685-006	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	458164
Prep Method:	EPA 3535A	**Extraction Lot:**	242569
Data File Name:	I:\ACQUDATA\5975E\data\081415\AJ701.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**89**		0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	95	64-124	8/14/15 20:59	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 091615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19368.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/20/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	1300	
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	110	
76-13-1	Freon-113	50	U
67-64-1	Acetone	4500	B
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	610	
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	360	
156-59-2	cis-1,2-Dichloroethene	7600	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	300	
71-55-6	1,1,1-Trichloroethane	130	
110-82-7	Cyclohexane	50	U
56-23-5	Carbon tetrachloride	50	U
71-43-2	Benzene	22000	E
107-06-2	1,2-Dichloroethane	980	
79-01-6	Trichloroethene	2300	
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	460	
108-88-3	Toluene	19000	E
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 091615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19368.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/20/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	5100	
100-41-4	Ethylbenzene	490	
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	1900	
95-47-6	o-Xylene	610	
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	180	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 091615DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19418.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/23/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	1800	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	4600	D
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	660	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	8300	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	32000	D
107-06-2	1,2-Dichloroethane	1600	D
79-01-6	Trichloroethene	2800	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	30000	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

Z MN 10/14/15

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 091615DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19418.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/23/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	5800	D
100-41-4	Ethylbenzene	580	D
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	2200	D
95-47-6	o-Xylene	670	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-5 091615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19359.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	1	Z
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	Z
75-01-4	Vinyl chloride	830	E
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	6	Z
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	89	
76-13-1	Freon-113	1	U
67-64-1	Acetone	780	EB
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	650	E
156-60-5	trans-1,2-Dichloroethene	23	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	260	E
156-59-2	cis-1,2-Dichloroethene	2600	E
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	570	E
71-55-6	1,1,1-Trichloroethane	240	E
110-82-7	Cyclohexane	15	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1900	E
107-06-2	1,2-Dichloroethane	570	E
79-01-6	Trichloroethene	620	E
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	150	
108-88-3	Toluene	1300	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	2	
127-18-4	Tetrachloroethene	9	
591-78-6	2-Hexanone	5	U

MM 10/14/15

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 091615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19359.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1400	E
100-41-4	Ethylbenzene	190	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	520	E
95-47-6	o-Xylene	250	E
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	3	
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	1	
106-46-7	1,4-Dichlorobenzene	18	
87-61-6	1,2,3-Trichlorobenzene	26	
95-50-1	1,2-Dichlorobenzene	6	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	120	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 091615DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19419.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/23/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 125.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	130	U
108-87-2	Methylcyclohexane	130	U
75-71-8	Dichlorodifluoromethane	130	U
74-87-3	Chloromethane	130	U
75-01-4	Vinyl chloride	1000	D
74-83-9	Bromomethane	130	U
75-00-3	Chloroethane	130	U
75-69-4	Trichlorofluoromethane	130	U
75-35-4	1,1-Dichloroethene	220	D
76-13-1	Freon-113	130	U
67-64-1	Acetone	910	D
75-15-0	Carbon disulfide	130	U
75-09-2	Methylene chloride	900	D
156-60-5	trans-1,2-Dichloroethene	130	U
1634-04-4	Methyl tert-butyl ether	130	U
75-34-3	1,1-Dichloroethane	280	D Z
156-59-2	cis-1,2-Dichloroethene	6400	D Z
78-93-3	2-Butanone	130	U
74-97-5	Bromochloromethane	130	U
67-66-3	Chloroform	640	D Z
71-55-6	1,1,1-Trichloroethane	240	D
110-82-7	Cyclohexane	130	U
56-23-5	Carbon tetrachloride	130	U
71-43-2	Benzene	22000	D
107-06-2	1,2-Dichloroethane	880	D
79-01-6	Trichloroethene	800	D
78-87-5	1,2-Dichloropropane	130	U
75-27-4	Bromodichloromethane	130	U
10061-01-5	cis-1,3-Dichloropropene	130	U
108-10-1	4-Methyl-2-pentanone	130	U
108-88-3	Toluene	9800	D
10061-02-6	trans-1,3-Dichloropropene	130	U
79-00-5	1,1,2-Trichloroethane	130	U
127-18-4	Tetrachloroethene	130	U
591-78-6	2-Hexanone	630	U

MN 10/14/15

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 091615DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19419.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/23/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 125.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	130	U
106-93-4	1,2-Dibromoethane	130	U
108-90-7	Chlorobenzene	4100	D
100-41-4	Ethylbenzene	180	D
630-20-6	1,1,1,2-Tetrachloroethane	130	U
179601-23-1	m,p-Xylene	660	D
95-47-6	o-Xylene	240	D
100-42-5	Styrene	130	U
75-25-2	Bromoform	130	U
98-82-8	Isopropylbenzene	130	U
79-34-5	1,1,2,2-Tetrachloroethane	130	U
108-86-1	Bromobenzene	130	U
541-73-1	1,3-Dichlorobenzene	130	U
106-46-7	1,4-Dichlorobenzene	130	U
87-61-6	1,2,3-Trichlorobenzene	130	U
95-50-1	1,2-Dichlorobenzene	130	U
96-12-8	1,2-Dibromo-3-chloropropane	130	U
120-82-1	1,2,4-Trichlorobenzene	130	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 091615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19360.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	6	
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	6	Z MN10/14/15
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	24	B
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	
156-60-5	trans-1,2-Dichloroethene	1	U
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	2	
156-59-2	cis-1,2-Dichloroethene	18	
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	900	E
107-06-2	1,2-Dichloroethane	1	U
79-01-6	Trichloroethene	9	
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	5	
108-88-3	Toluene	360	E
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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 091615

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19360.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	140	
100-41-4	Ethylbenzene	9	
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	28	
95-47-6	o-Xylene	9	
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	
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	4	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 091615DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-003ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19370.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	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	DB
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	15	D
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	1900	D
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	400	D
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.

EW-8 091615DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-003ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J19370.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: not dec. Date Analyzed: 09/20/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	130	D
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	22	D
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

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30416.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	1200	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	22	
95-48-7	2-Methylphenol	330	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	1200	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	100	E
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

EPA SAMPLE NO.

EW-4

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30416.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

EPA SAMPLE NO.

EW-4DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30419.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	1100	D
111-44-4	Bis(2-chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	280	DJ
108-60-1	2,2´-oxybis(1-Chloropropane)	500	U
12-03-3	3-Methylphenol/4-Methylphenol	960	DJ
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	89	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

EPA SAMPLE NO.

EW-4DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30419.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

EPA SAMPLE NO.

EW-5

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30417.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	280	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	8	J
95-48-7	2-Methylphenol	160	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	450	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	49	
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

EPA SAMPLE NO.

EW-5

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30417.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-002BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30420.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	250	D
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	140	D
108-60-1	2,2´-oxybis(1-Chloropropane)	100	U
12-03-3	3-Methylphenol/4-Methylphenol	380	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	U
105-67-9	2,4-Dimethylphenol	42	DJ
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	U
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

EPA SAMPLE NO.

EW-5DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-002BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30420.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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

EPA SAMPLE NO.

EW-8

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30418.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/L	Q
108-95-2	Phenol	8	J
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	7	J
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	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

EPA SAMPLE NO.

EW-8

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY269

Matrix: (soil/water) WATER Lab Sample ID: 1509E08-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30418.D

Level: (low/med) LOW Date Received: 09/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 09/21/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 09/23/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) µg/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: 15090365

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 091615
Lab Sample ID: 15090365-01 (AS28083)

Collection Date: 09/16/2015 08:00
Sample Matrix: WATER
Received Date: 09/16/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1749-61	SW-846 Method 8082A	09/29/2015 01:04	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32335	EPA 3535A	09/23/2015 09:03	KEN	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-1749-61
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1749-61
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1749-61
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1749-61
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1749-61
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1749-61
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1749-61
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1749-61

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	96.4	47.0-123		GC28F-1749-61
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28F-1749-61
Tetrachloro-meta-xylene	877-09-8	86.6	47.0-123		GC28B-1746-61
Decachlorobiphenyl	2051-24-3	97.5	35.0-153		GC28B-1746-61

[1]Qualifier 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.

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 091615
Lab Sample ID: 15090365-02 (AS28084)

Collection Date: 09/16/2015 10:00
Sample Matrix: WATER
Received Date: 09/16/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1749-62	SW-846 Method 8082A	09/29/2015 01:17	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32335	EPA 3535A	09/23/2015 09:03	KEN	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-1749-62
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1749-62
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1749-62
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1749-62
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1749-62
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1749-62
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1749-62
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1749-62

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	87.7	47.0-123		GC28F-1749-62
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28F-1749-62
Tetrachloro-meta-xylene	877-09-8	99.3	47.0-123		GC28B-1746-62
Decachlorobiphenyl	2051-24-3	96.7	35.0-153		GC28B-1746-62

[1]Qualifier 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: 15090365

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 091615
Lab Sample ID: 15090365-03 (AS28085)

Collection Date: 09/16/2015 12:00
Sample Matrix: WATER
Received Date: 09/16/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1749-63	SW-846 Method 8082A	09/29/2015 01:32	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32335	EPA 3535A	09/23/2015 09:03	KEN	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-1749-63
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1749-63
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1749-63
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1749-63
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1749-63
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1749-63
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1749-63
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1749-63

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	86.9	47.0-123		GC28F-1749-63
Decachlorobiphenyl	2051-24-3	97.8	35.0-153		GC28F-1749-63
Tetrachloro-meta-xylene	877-09-8	86.6	47.0-123		GC28B-1746-63
Decachlorobiphenyl	2051-24-3	96.5	35.0-153		GC28B-1746-63

[1]Qualifier 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-4 091615

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY269

Matrix (soil/water): WATER Lab Sample ID: 1509E08-001

Level (low/med): LOW Date Received: 09/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	37.9	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	4.7	J		P
7440-39-3	Barium	4340			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.60	J		P
7440-70-2	Calcium	69600			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	107			P
7439-92-1	Lead	5.2		N	P
7439-95-4	Magnesium	4650			P
7439-96-5	Manganese	1710			P
7439-97-6	Mercury	0.10	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1570	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	1.3	J	N	P
7440-23-5	Sodium	185000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	370			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 10/1/2015

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-5 091615

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY269

Matrix (soil/water): WATER Lab Sample ID: 1509E08-002

Level (low/med): LOW Date Received: 09/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	38.3	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	15.7			P
7440-39-3	Barium	810			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	115000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	2.6	J		P
7439-89-6	Iron	175			P
7439-92-1	Lead	5.5		N	P
7439-95-4	Magnesium	18100			P
7439-96-5	Manganese	1400			P
7439-97-6	Mercury	0.055	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1700	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	3.5	J	N	P
7440-23-5	Sodium	125000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	1320			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 10/1/2015

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-8 091615

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY269

Matrix (soil/water): WATER Lab Sample ID: 1509E08-003

Level (low/med): LOW Date Received: 09/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	19.2	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	3.5	J		P
7440-39-3	Barium	279			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	18400			P
7440-47-3	Chromium	1.1	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.3	J		P
7439-89-6	Iron	35.7	J		P
7439-92-1	Lead	4.3	J	N	P
7439-95-4	Magnesium	1860			P
7439-96-5	Manganese	274			P
7439-97-6	Mercury	0.10	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1040	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	3.2	J	N	P
7440-23-5	Sodium	177000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	6.8	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 10/1/2015

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1507750
Project:	15090364/Dewey Loeffel	**Date Collected:**	9/16/15 0800
Sample Matrix:	Water	**Date Received:**	9/17/15
		Date Extracted:	9/22/15
		Date Analyzed:	9/23/15 10:09
Sample Name:	EW-4 091615	**Units:**	µg/L
Lab Code:	R1507750-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	463554
Prep Method:	EPA 3535A	**Extraction Lot:**	245192
Data File Name:	I:\ACQUDATA\5975E\data\092315\AJ947.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	5

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**280**		1.0	0.10	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	87	64-124	9/23/15 10:09	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1507750
Project:	15090364/Dewey Loeffel	**Date Collected:**	9/16/15 1000
Sample Matrix:	Water	**Date Received:**	9/17/15
		Date Extracted:	9/22/15
		Date Analyzed:	9/22/15 21:38
Sample Name:	EW-5 091615	**Units:**	µg/L
Lab Code:	R1507750-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	463499
Prep Method:	EPA 3535A	**Extraction Lot:**	245192
Data File Name:	I:\ACQUDATA\5975E\data\092215\AJ936.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**0.042**	J	0.20	0.020	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	100	64-124	9/22/15 21:38	

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1507750
Project:	15090364/Dewey Loeffel	**Date Collected:**	9/16/15 1200
Sample Matrix:	Water	**Date Received:**	9/17/15
		Date Extracted:	9/22/15
		Date Analyzed:	9/23/15 11:04
Sample Name:	EW-8 091615	**Units:**	µg/L
Lab Code:	R1507750-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	463554
Prep Method:	EPA 3535A	**Extraction Lot:**	245192
Data File Name:	I:\ACQUDATA\5975E\data\092315\AJ950.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	2

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	110		0.40	0.040	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	109	64-124	9/23/15 11:04	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20320.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	1100	
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	100	
76-13-1	Freon-113	50	U
67-64-1	Acetone	1900	
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	320	
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	320	Z
156-59-2	cis-1,2-Dichloroethene	4900	
78-93-3	2-Butanone	180	Z
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	230	
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	19000	E
107-06-2	1,2-Dichloroethane	640	
79-01-6	Trichloroethene	1100	
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	240	Z
108-88-3	Toluene	16000	E
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

MN 10/30/15

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20320.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	3800	
100-41-4	Ethylbenzene	330	
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	1200	
95-47-6	o-Xylene	380	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20313.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	1100	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	2500	D
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	500	U
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	5000	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	23000	D
107-06-2	1,2-Dichloroethane	1300	D
79-01-6	Trichloroethene	1100	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	19000	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-4 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20313.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	3900	D
100-41-4	Ethylbenzene	500	U
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	1200	D
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

1A

VOLATILE 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-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20321.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	330	
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	130	
76-13-1	Freon-113	50	U
67-64-1	Acetone	600	
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	850	
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	200	Z
156-59-2	cis-1,2-Dichloroethene	5000	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	560	
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	16000	E
107-06-2	1,2-Dichloroethane	630	
79-01-6	Trichloroethene	810	
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	3700	
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

MN 10/30/15

VOLATILE 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-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20321.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	2900	
100-41-4	Ethylbenzene	78	
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	240	
95-47-6	o-Xylene	110	
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	57	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20314.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	500	U
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	1100	DJ
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	880	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	4900	D
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	500	U
67-66-3	Chloroform	580	D
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	D
107-06-2	1,2-Dichloroethane	1300	D
79-01-6	Trichloroethene	770	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	3800	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-5 DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20314.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	2700	D
100-41-4	Ethylbenzene	500	U
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	500	U
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

1A

VOLATILE 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-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20315.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	4500	
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	4800	
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	600	Z
156-59-2	cis-1,2-Dichloroethene	14000	
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	48000	
107-06-2	1,2-Dichloroethane	1700	
79-01-6	Trichloroethene	500	U
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	52000	
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

MN 10/30/15

1B

VOLATILE 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-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J20315.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: not dec. Date Analyzed: 10/22/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	9800	
100-41-4	Ethylbenzene	800	
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	3100	
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

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30966.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/L	Q
108-95-2	Phenol	120	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	8	J
95-48-7	2-Methylphenol	110	EZ
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	370	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	66	
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

EPA SAMPLE NO.

EW-4

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-001B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30966.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/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	3	J
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-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30996.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/02/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/L	Q
108-95-2	Phenol	120	D
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	92	DJZ
108-60-1	2,2´-oxybis(1-Chloropropane)	100	U
12-03-3	3-Methylphenol/4-Methylphenol	350	DZ
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	U
105-67-9	2,4-Dimethylphenol	65	DJ
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	U
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

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-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-001BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30996.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/02/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/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

EPA SAMPLE NO.

EW-5

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30967.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/L	Q
108-95-2	Phenol	39	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	2	J
95-48-7	2-Methylphenol	29	Z
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	59	Z
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	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

EPA SAMPLE NO.

EW-5

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-002B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30967.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/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-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30968.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/L	Q
108-95-2	Phenol	370	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	17	
95-48-7	2-Methylphenol	310	EZ
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	1100	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	260	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	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

EPA SAMPLE NO.

EW-6

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-003B

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30968.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 10/30/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/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

EPA SAMPLE NO.

EW-6DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-003BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30997.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/02/15

Injection Volume: 1 (µL) Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/L	Q
108-95-2	Phenol	330	D
111-44-4	Bis(2-chloroethyl)ether	250	U
95-57-8	2-Chlorophenol	250	U
95-48-7	2-Methylphenol	260	DZ
108-60-1	2,2´-oxybis(1-Chloropropane)	250	U
12-03-3	3-Methylphenol/4-Methylphenol	960	DZ
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	190	DJ
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

EPA SAMPLE NO.

EW-6DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY295

Matrix: (soil/water) WATER Lab Sample ID: 1510G06-003BDL

Sample wt/vol: 1000 (g/mL) mL Lab File ID: R30997.D

Level: (low/med) LOW Date Received: 10/21/15

% Moisture: Decanted: (Y/N) N Date Extracted: 10/27/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/02/15

Injection Volume: 1 (µL) Dilution Factor: 25.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/kg) µg/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

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 102115
Lab Sample ID: 15100510-01 (AS33274)

Collection Date: 10/21/2015 08:00
Sample Matrix: WATER
Received Date: 10/21/2015 13:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1778-5	SW-846 Method 8082A	10/27/2015 11:11	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32654	EPA 3535A	10/26/2015 08:30	KEN	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-1778-5
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1778-5
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1778-5
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1778-5
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1778-5
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1778-5
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1778-5
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1778-5

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	79.6	47.0-123		GC28F-1778-5
Decachlorobiphenyl	2051-24-3	90.7	35.0-153		GC28F-1778-5
Tetrachloro-meta-xylene	877-09-8	85.0	47.0-123		GC28B-1775-5
Decachlorobiphenyl	2051-24-3	91.5	35.0-153		GC28B-1775-5

[1]Qualifier 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.

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 102115
Lab Sample ID: 15100510-02 (AS33275)

Collection Date: 10/21/2015 10:00
Sample Matrix: WATER
Received Date: 10/21/2015 13:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1778-6	SW-846 Method 8082A	10/27/2015 11:25	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32654	EPA 3535A	10/26/2015 08:30	KEN	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-1778-6
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1778-6
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1778-6
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1778-6
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1778-6
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1778-6
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1778-6
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1778-6

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	72.6	47.0-123		GC28F-1778-6
Decachlorobiphenyl	2051-24-3	84.3	35.0-153		GC28F-1778-6
Tetrachloro-meta-xylene	877-09-8	75.4	47.0-123		GC28B-1775-6
Decachlorobiphenyl	2051-24-3	85.1	35.0-153		GC28B-1775-6

[1]Qualifier 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: 15100510

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 102115
Lab Sample ID: 15100510-03 (AS33276)

Collection Date: 10/21/2015 12:00
Sample Matrix: WATER
Received Date: 10/21/2015 13:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1777-30	SW-846 Method 8082A	10/26/2015 18:55	JKA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32654	EPA 3535A	10/26/2015 08:30	KEN	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-1777-30
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1777-30
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1777-30
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1777-30
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1777-30
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1777-30
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1777-30
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1777-30

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	83.3	47.0-123		GC28F-1777-30
Decachlorobiphenyl	2051-24-3	96.7	35.0-153		GC28F-1777-30
Tetrachloro-meta-xylene	877-09-8	80.8	47.0-123		GC28B-1774-30
Decachlorobiphenyl	2051-24-3	93.2	35.0-153		GC28B-1774-30

[1]Qualifier 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-4 102115

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY295

Matrix (soil/water): WATER Lab Sample ID: 1510G06-001

Level (low/med): LOW Date Received: 10/21/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	54.8	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	3.9	J		P
7440-39-3	Barium	3070			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.60	J		P
7440-70-2	Calcium	52100			P
7440-47-3	Chromium	2.7	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	4.0	J		P
7439-89-6	Iron	473		*	P
7439-92-1	Lead	6.1			P
7439-95-4	Magnesium	3320			P
7439-96-5	Manganese	1230			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1440	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U	N	P
7440-23-5	Sodium	197000			P
7440-28-0	Thallium	5.0	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	174			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Date Reported 11/18/2015

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-5 102115

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY295

Matrix (soil/water): WATER Lab Sample ID: 1510G06-002

Level (low/med): LOW Date Received: 10/21/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	24.4	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	17.4			P
7440-39-3	Barium	425			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	103000			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	192		*	P
7439-92-1	Lead	4.8	J		P
7439-95-4	Magnesium	16200			P
7439-96-5	Manganese	1110			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1370	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U	N	P
7440-23-5	Sodium	125000			P
7440-28-0	Thallium	5.2	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	127			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 11/18/2015

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-6 102115

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY295

Matrix (soil/water): WATER Lab Sample ID: 1510G06-003

Level (low/med): LOW Date Received: 10/21/2015

% Solids: 0.0

Concentration 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	12.0			P
7440-39-3	Barium	5810			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	3.4	J		P
7439-89-6	Iron	369		*	P
7439-92-1	Lead	10.4			P
7439-95-4	Magnesium	39100			P
7439-96-5	Manganese	1970			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	2.7	J		P
7440-09-7	Potassium	2730	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U	N	P
7440-23-5	Sodium	33400			P
7440-28-0	Thallium	8.2	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	141			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 11/18/2015

Client:	Pace Analytical Services - NY	**Service Request:**	R1509028
Project:	15100509/Dewey Loeffel	**Date Collected:**	10/21/15
Sample Matrix:	Water	**Date Received:**	10/22/15
		Date Extracted:	10/23/15
		Date Analyzed:	10/26/15 15:07
Sample Name:	EW-4 102115	**Units:**	µg/L
Lab Code:	R1509028-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	469046
Prep Method:	EPA 3535A	**Extraction Lot:**	247894
Data File Name:	I:\ACQUDATA\5975E\data\102615\AK192.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**190**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	75	64-124	10/26/15 15:07	

Client:	Pace Analytical Services - NY	**Service Request:**	R1509028
Project:	15100509/Dewey Loeffel	**Date Collected:**	10/21/15
Sample Matrix:	Water	**Date Received:**	10/22/15
		Date Extracted:	10/23/15
		Date Analyzed:	10/26/15 15:25
Sample Name:	EW-5 102115	**Units:**	µg/L
Lab Code:	R1509028-002	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	469046
Prep Method:	EPA 3535A	**Extraction Lot:**	247894
Data File Name:	I:\ACQUDATA\5975E\data\102615\AK193.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**160**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	87	64-124	10/26/15 15:25	

Client:	Pace Analytical Services - NY	**Service Request:**	R1509028
Project:	15100509/Dewey Loeffel	**Date Collected:**	10/21/15
Sample Matrix:	Water	**Date Received:**	10/22/15
		Date Extracted:	10/23/15
		Date Analyzed:	10/26/15 15:42
Sample Name:	EW-6 102115	**Units:**	µg/L
Lab Code:	R1509028-003	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	469046
Prep Method:	EPA 3535A	**Extraction Lot:**	247894
Data File Name:	I:\ACQUDATA\5975E\data\102615\AK194.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**630**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	78	64-124	10/26/15 15:42	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21051.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	73	
76-13-1	Freon-113	50	U
67-64-1	Acetone	87	J
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	110	
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	630	
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	710	
107-06-2	1,2-Dichloroethane	210	
79-01-6	Trichloroethene	7900	
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	290	
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-1 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21051.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	130	
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	95	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21052.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	380	
74-83-9	Bromomethane	200	U
75-00-3	Chloroethane	200	U
75-69-4	Trichlorofluoromethane	200	U
75-35-4	1,1-Dichloroethene	300	
76-13-1	Freon-113	200	U
67-64-1	Acetone	960	J
75-15-0	Carbon disulfide	200	U
75-09-2	Methylene chloride	2700	
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	7100	
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	5200	
107-06-2	1,2-Dichloroethane	1200	
79-01-6	Trichloroethene	37000	
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	260	
591-78-6	2-Hexanone	1000	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-2 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21052.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	1300	
100-41-4	Ethylbenzene	320	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	700	
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	250	Z MD 12/11/15
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	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-3 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21060.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	190	
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	390	~~D~~ MM 12/3/15
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	65	
156-59-2	cis-1,2-Dichloroethene	830	
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	6700	
107-06-2	1,2-Dichloroethane	180	
79-01-6	Trichloroethene	340	
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	6000	
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

EPA SAMPLE NO.

EW-3 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21060.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	990	
100-41-4	Ethylbenzene	88	
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	320	
95-47-6	o-Xylene	100	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21042.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	1200	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	170	
76-13-1	Freon-113	100	U
67-64-1	Acetone	2800	
75-15-0	Carbon disulfide	100	U
75-09-2	Methylene chloride	360	
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	410	
156-59-2	cis-1,2-Dichloroethene	6600	
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	100	U
67-66-3	Chloroform	320	
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	24000	E
107-06-2	1,2-Dichloroethane	930	
79-01-6	Trichloroethene	1400	
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	320	Z MN12/11/15
108-88-3	Toluene	17000	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	500	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21042.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	4600	
100-41-4	Ethylbenzene	380	
630-20-6	1,1,1,2-Tetrachloroethane	100	U
179601-23-1	m,p-Xylene	1400	
95-47-6	o-Xylene	420	
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-86-1	Bromobenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1A

VOLATILE 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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-005ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21043.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	1500	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	570	D
76-13-1	Freon-113	500	U
67-64-1	Acetone	4200	D
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	630	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	7900	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	31000	D
107-06-2	1,2-Dichloroethane	1600	D
79-01-6	Trichloroethene	2200	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	28000	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

VOLATILE 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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-005ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21043.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	5600	D
100-41-4	Ethylbenzene	500	U
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	1900	D
95-47-6	o-Xylene	560	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.

DUP-1 111815

(Blind Dup of EW-4)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21058.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	2500	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	Freon-113	100	U
67-64-1	Acetone	690	
75-15-0	Carbon disulfide	100	U
75-09-2	Methylene chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	170	
156-59-2	cis-1,2-Dichloroethene	4000	
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	28000	E
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	140	Z
108-88-3	Toluene	26000	E
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	500	U

MW 12/11/15

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1 111815

(Blind Dup of EW-4)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21058.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	5500	
100-41-4	Ethylbenzene	470	
630-20-6	1,1,1,2-Tetrachloroethane	100	U
179601-23-1	m,p-Xylene	1700	
95-47-6	o-Xylene	520	
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-86-1	Bromobenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1 111815DL

(Blind Dup of EW-4)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-010ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21075.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/20/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	2600	D
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	700	DJ
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	4000	D
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	30000	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	29000	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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

DUP-1 111815DL

(Blind Dup of EW-4)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-010ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21075.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/20/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	5600	D
100-41-4	Ethylbenzene	460	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	1700	D
95-47-6	o-Xylene	500	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	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21054.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	440	
74-83-9	Bromomethane	50	U
75-00-3	Chloroethane	50	U
75-69-4	Trichlorofluoromethane	50	U
75-35-4	1,1-Dichloroethene	96	
76-13-1	Freon-113	50	U
67-64-1	Acetone	570	
75-15-0	Carbon disulfide	50	U
75-09-2	Methylene chloride	360	
156-60-5	trans-1,2-Dichloroethene	50	U
1634-04-4	Methyl tert-butyl ether	50	U
75-34-3	1,1-Dichloroethane	160	
156-59-2	cis-1,2-Dichloroethene	3100	
78-93-3	2-Butanone	50	U
74-97-5	Bromochloromethane	50	U
67-66-3	Chloroform	310	
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	14000	E
107-06-2	1,2-Dichloroethane	440	
79-01-6	Trichloroethene	430	
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	55	Z MN 2/11/16
108-88-3	Toluene	6500	
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21054.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	2200	
100-41-4	Ethylbenzene	100	
630-20-6	1,1,1,2-Tetrachloroethane	50	U
179601-23-1	m,p-Xylene	350	
95-47-6	o-Xylene	130	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 111815DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-006ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21061.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	440	D
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	140	D
76-13-1	Freon-113	100	U
67-64-1	Acetone	580	D
75-15-0	Carbon disulfide	100	U
75-09-2	Methylene chloride	340	D
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	160	D
156-59-2	cis-1,2-Dichloroethene	3000	D
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	100	U
67-66-3	Chloroform	300	D
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	14000	D
107-06-2	1,2-Dichloroethane	510	D
79-01-6	Trichloroethene	430	D
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	100	U
108-88-3	Toluene	6500	D
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5 111815DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-006ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21061.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	2200	D
100-41-4	Ethylbenzene	100	D
630-20-6	1,1,1,2-Tetrachloroethane	100	U
179601-23-1	m,p-Xylene	350	D
95-47-6	o-Xylene	130	D
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-86-1	Bromobenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21055.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	4800	
74-83-9	Bromomethane	500	U
75-00-3	Chloroethane	500	U
75-69-4	Trichlorofluoromethane	500	U
75-35-4	1,1-Dichloroethene	590	
76-13-1	Freon-113	500	U
67-64-1	Acetone	5600	
75-15-0	Carbon disulfide	500	U
75-09-2	Methylene chloride	1900	
156-60-5	trans-1,2-Dichloroethene	500	U
1634-04-4	Methyl tert-butyl ether	500	U
75-34-3	1,1-Dichloroethane	690	
156-59-2	cis-1,2-Dichloroethene	17000	
78-93-3	2-Butanone	500	U
74-97-5	Bromochloromethane	500	U
67-66-3	Chloroform	630	
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	54000	
107-06-2	1,2-Dichloroethane	2100	
79-01-6	Trichloroethene	820	
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	56000	
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

EPA SAMPLE NO.

EW-6 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21055.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 500.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	11000	
100-41-4	Ethylbenzene	950	
630-20-6	1,1,1,2-Tetrachloroethane	500	U
179601-23-1	m,p-Xylene	3700	
95-47-6	o-Xylene	1100	
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 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21056.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	2600	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	Freon-113	100	U
67-64-1	Acetone	770	
75-15-0	Carbon disulfide	100	U
75-09-2	Methylene chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	190	
156-59-2	cis-1,2-Dichloroethene	4200	
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	29000	E
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	100	U
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	150	Z MN 12/11/15
108-88-3	Toluene	28000	E
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	500	U

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21056.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	5700	
100-41-4	Ethylbenzene	490	
630-20-6	1,1,1,2-Tetrachloroethane	100	U
179601-23-1	m,p-Xylene	1800	
95-47-6	o-Xylene	540	
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-86-1	Bromobenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
87-61-6	1,2,3-Trichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7 111815DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-008ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21074.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/20/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	2600	D
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	720	DJ
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	4000	D
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	30000	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	30000	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-7 111815DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-008ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21074.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/20/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	5600	D
100-41-4	Ethylbenzene	460	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	1700	D
95-47-6	o-Xylene	490	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	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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-8 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21057.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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	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	27	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	1800	
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	200	
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.

EW-8 111815

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21057.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	85	
100-41-4	Ethylbenzene	10	U
630-20-6	1,1,1,2-Tetrachloroethane	10	U
179601-23-1	m,p-Xylene	13	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21040.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	2	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	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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21040.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	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

EPA SAMPLE NO.

EW-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76668.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/20/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	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	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

EPA SAMPLE NO.

EW-1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76668.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/20/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-2

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76669.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/20/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	48	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	1	J
95-48-7	2-Methylphenol	42	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	64	
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	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	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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-003B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76669.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/20/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	18	Z
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

12-2-15 GV

(1) Cannot be separated from Diphenylamine

1C

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EW-3

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76670.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/20/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	31	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	3	J
95-48-7	2-Methylphenol	34	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	140	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	36	
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	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-004B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76670.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/20/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

EPA SAMPLE NO.

EW-3DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-004BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76681.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	38	DJ
111-44-4	Bis(2-chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	50	U
95-48-7	2-Methylphenol	44	DJ
108-60-1	2,2´-oxybis(1-Chloropropane)	50	U
12-03-3	3-Methylphenol/4-Methylphenol	200	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	46	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

EPA SAMPLE NO.

EW-3DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-004BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76681.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-005B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76673.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	400	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	24	
95-48-7	2-Methylphenol	220	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	570	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	130	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	2	J
91-20-3	Naphthalene	31	
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

EPA SAMPLE NO.

EW-4

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-005B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76673.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

EPA SAMPLE NO.

EW-4DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-005BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76682.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	730	D
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	32	DJ
95-48-7	2-Methylphenol	360	D
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	990	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	200	D
111-91-1	Bis(2-chloroethoxy)methane	200	U
120-83-2	2,4-Dichlorophenol	200	U
91-20-3	Naphthalene	42	DJ
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

EPA SAMPLE NO.

EW-4DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-005BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76682.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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.

DUP-1

(Blind Dup of EW-4)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-010B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76679.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	28	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	2	J
95-48-7	2-Methylphenol	45	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	350	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	150	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	15	
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

EPA SAMPLE NO.

DUP-1

(Blind Dup of EW-4)

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-010B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76679.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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.

DUP-1DL

(Blind Dup of EW-4)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-010BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76686.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/22/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	32	DJ
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	54	DJ
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	U
105-67-9	2,4-Dimethylphenol	190	D
111-91-1	Bis(2-chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
91-20-3	Naphthalene	16	DJ
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	U
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.

DUP-1DL

(Blind Dup of EW-4)

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-010BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76686.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/22/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-006B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76675.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	35	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	4	J
95-48-7	2-Methylphenol	42	
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	33	
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	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

EPA SAMPLE NO.

EW-5

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-006B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76675.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	5	JZ
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

12-2-15 GV

(1) Cannot be separated from Diphenylamine

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-5DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-006BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76683.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/22/15

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) UG/L	Q
108-95-2	Phenol	41	DJ
111-44-4	Bis(2-chloroethyl)ether	50	U
95-57-8	2-Chlorophenol	50	U
95-48-7	2-Methylphenol	52	D
108-60-1	2,2'-oxybis(1-Chloropropane)	50	U
12-03-3	3-Methylphenol/4-Methylphenol	160	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	38	DJ
111-91-1	Bis(2-chloroethoxy)methane	50	U
120-83-2	2,4-Dichlorophenol	50	U
91-20-3	Naphthalene	9	DJ
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

EPA SAMPLE NO.

EW-5DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-006BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76683.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/22/15

Injection Volume: 1 (µL) Dilution Factor: 5.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-007B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76676.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	360	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	19	
95-48-7	2-Methylphenol	260	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	780	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	230	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	1	J
91-20-3	Naphthalene	37	
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

EPA SAMPLE NO.

EW-6

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-007B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76676.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-007BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76684.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/22/15

Injection Volume: 1 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	1100	D
111-44-4	Bis(2-chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
95-48-7	2-Methylphenol	740	D
108-60-1	2,2'-oxybis(1-Chloropropane)	500	U
12-03-3	3-Methylphenol/4-Methylphenol	2300	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	570	D
111-91-1	Bis(2-chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
91-20-3	Naphthalene	91	DJ
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

EPA SAMPLE NO.

EW-6DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-007BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76684.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/22/15

Injection Volume: 1 (µL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

EPA SAMPLE NO.

EW-7

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-008B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76677.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	32	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	2	J
95-48-7	2-Methylphenol	53	
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	420	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	10	U
91-20-3	Naphthalene	16	
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

EPA SAMPLE NO.

EW-7

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-008B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76677.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-7DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-008BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76685.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/22/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	42	DJ
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	75	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	800	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

EPA SAMPLE NO.

EW-7DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-008BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76685.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/22/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-8

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-009B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76678.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	1	J
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	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

EPA SAMPLE NO.

EW-8

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-009B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76678.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

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 111815
Lab Sample ID: 15110452-02 (AS36403)

Collection Date: 11/18/2015 06:45
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-19	SW-846 Method 8082A	12/04/2015 16:39	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	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-1811-19
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-19
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-19
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-19
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-19
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-19
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-19
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-19

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	89.1	47.0-123		GC28F-1811-19
Decachlorobiphenyl	2051-24-3	99.8	35.0-153		GC28F-1811-19
Tetrachloro-meta-xylene	877-09-8	94.0	47.0-123		GC28B-1808-19
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28B-1808-19

[1]Qualifier 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.

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-2 111815
Lab Sample ID: 15110452-03 (AS36404)

Collection Date: 11/18/2015 07:30
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-20	SW-846 Method 8082A	12/04/2015 16:53	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	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-1811-20
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-20
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-20
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-20
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-20
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-20
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-20
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	89.8	47.0-123		GC28F-1811-20
Decachlorobiphenyl	2051-24-3	77.7	35.0-153		GC28F-1811-20
Tetrachloro-meta-xylene	877-09-8	81.7	47.0-123		GC28B-1808-20
Decachlorobiphenyl	2051-24-3	76.1	35.0-153		GC28B-1808-20

[1]Qualifier 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.

Pace Analytical Services, Inc.
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Phone: 518.346.4592
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-3 111815
Lab Sample ID: 15110452-04 (AS36405)

Collection Date: 11/18/2015 08:15
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-21	SW-846 Method 8082A	12/04/2015 17:06	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	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-1811-21
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-21
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-21
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-21
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-21
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-21
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-21
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-21

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	86.9	47.0-123		GC28F-1811-21
Decachlorobiphenyl	2051-24-3	103	35.0-153		GC28F-1811-21
Tetrachloro-meta-xylene	877-09-8	86.1	47.0-123		GC28B-1808-21
Decachlorobiphenyl	2051-24-3	109	35.0-153		GC28B-1808-21

[1]Qualifier 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.

Pace Analytical Services, Inc.
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-4 111815
Lab Sample ID: 15110452-05 (AS36406)

Collection Date: 11/18/2015 09:00
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-24	SW-846 Method 8082A	12/04/2015 17:49	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	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-1811-24
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-24
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-24
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-24
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-24
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-24
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-24
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-24

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	93.3	47.0-123		GC28F-1811-24
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28F-1811-24
Tetrachloro-meta-xylene	877-09-8	80.2	47.0-123		GC28B-1808-24
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28B-1808-24

[1]Qualifier 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.

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: DUP-1 111815 (Blind Dup of EW-4)
Lab Sample ID: 15110452-10 (AS36411)

Collection Date: 11/18/2015
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-31	SW-846 Method 8082A	12/04/2015 19:27	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	1070 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-1811-31
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-31
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-31
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-31
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-31
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-31
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-31
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-31

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	88.5	47.0-123		GC28F-1811-31
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28F-1811-31
Tetrachloro-meta-xylene	877-09-8	90.8	47.0-123		GC28B-1808-31
Decachlorobiphenyl	2051-24-3	103	35.0-153		GC28B-1808-31

[1]Qualifier 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.

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 111815
Lab Sample ID: 15110452-06 (AS36407)

Collection Date: 11/18/2015 09:45
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-27	SW-846 Method 8082A	12/04/2015 18:31	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	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-1811-27
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-27
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-27
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-27
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-27
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-27
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-27
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-27

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	81.5	47.0-123		GC28F-1811-27
Decachlorobiphenyl	2051-24-3	97.2	35.0-153		GC28F-1811-27
Tetrachloro-meta-xylene	877-09-8	79.6	47.0-123		GC28B-1808-27
Decachlorobiphenyl	2051-24-3	99.9	35.0-153		GC28B-1808-27

[1]Qualifier 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.

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 111815
Lab Sample ID: 15110452-07 (AS36408)

Collection Date: 11/18/2015 10:30
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-28	SW-846 Method 8082A	12/04/2015 18:45	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	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-1811-28
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-28
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-28
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-28
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-28
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-28
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-28
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-28

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	87.3	47.0-123		GC28F-1811-28
Decachlorobiphenyl	2051-24-3	106	35.0-153		GC28F-1811-28
Tetrachloro-meta-xylene	877-09-8	81.8	47.0-123		GC28B-1808-28
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28B-1808-28

[1]Qualifier 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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Phone: 518.346.4592
Fax: 518.381.6055

Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: EW-7 111815
Lab Sample ID: 15110452-08 (AS36409)

Collection Date: 11/18/2015 11:15
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-29	SW-846 Method 8082A	12/04/2015 18:59	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	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-1811-29
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-29
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-29
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-29
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-29
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-29
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-29
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-29

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	95.6	47.0-123		GC28F-1811-29
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28F-1811-29
Tetrachloro-meta-xylene	877-09-8	82.5	47.0-123		GC28B-1808-29
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28B-1808-29

[1]Qualifier 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.

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 111815
Lab Sample ID: 15110452-09 (AS36410)

Collection Date: 11/18/2015 12:00
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1811-30	SW-846 Method 8082A	12/04/2015 19:13	KLL	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	1070 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-1811-30
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1811-30
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1811-30
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1811-30
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1811-30
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1811-30
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1811-30
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1811-30

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	88.1	47.0-123		GC28F-1811-30
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28F-1811-30
Tetrachloro-meta-xylene	877-09-8	93.9	47.0-123		GC28B-1808-30
Decachlorobiphenyl	2051-24-3	102	35.0-153		GC28B-1808-30

[1]Qualifier 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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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-1 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-002

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	87.2	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	8.7	J		P
7440-39-3	Barium	68.5	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	25800			P
7440-47-3	Chromium	2.9	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	2.8	J		P
7439-89-6	Iron	81.6	J		P
7439-92-1	Lead	6.8			P
7439-95-4	Magnesium	5180			P
7439-96-5	Manganese	271			P
7439-97-6	Mercury	0.070	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	781	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	59200			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	546			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-2 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-003

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41.8	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	6.2	J		P
7440-39-3	Barium	177	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	20500			P
7440-47-3	Chromium	3.8	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	8.2	J		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	3.8	J		P
7439-95-4	Magnesium	4700			P
7439-96-5	Manganese	456			P
7439-97-6	Mercury	0.069	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	727	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	47800			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	96.0			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-3 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-004

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	48.1	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	365			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	18400			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	4.1	J		P
7439-95-4	Magnesium	947	J		P
7439-96-5	Manganese	166			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	961	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	168000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	21.0			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-4 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-005

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1660			P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	7.8	J		P
7440-39-3	Barium	4190			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	98200			P
7440-47-3	Chromium	7.9	J		P
7440-48-4	Cobalt	5.3	J		P
7440-50-8	Copper	26.1			P
7439-89-6	Iron	4510			P
7439-92-1	Lead	15.1			P
7439-95-4	Magnesium	7480			P
7439-96-5	Manganese	2030			P
7439-97-6	Mercury	0.055	J		CV
7440-02-0	Nickel	6.2	J		P
7440-09-7	Potassium	1870	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	160000			P
7440-28-0	Thallium	6.4	J		P
7440-62-2	Vanadium	3.6	J		P
7440-66-6	Zinc	413			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
DUP-1 111815

Lab Name: PACE ANALYTICAL Contract:

(Blind Dup of EW-4)

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-010

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	71.5	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	4.9	J		P
7440-39-3	Barium	4460			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	193000			P
7440-47-3	Chromium	15.5			P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	1.7	J		P
7439-89-6	Iron	495			P
7439-92-1	Lead	10.7			P
7439-95-4	Magnesium	51400			P
7439-96-5	Manganese	826			P
7439-97-6	Mercury	0.088	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2670	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	23400			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	53.3			P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
Date Reported 12/28/2015

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-5 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-006

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	29.7	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	35.3			P
7440-39-3	Barium	610			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	78900			P
7440-47-3	Chromium	5.8	J		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	3.9	J		P
7439-89-6	Iron	1950			P
7439-92-1	Lead	5.7			P
7439-95-4	Magnesium	10200			P
7439-96-5	Manganese	816			P
7439-97-6	Mercury	0.062	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1460	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	135000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	9700			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-6 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-007

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28.8	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	11.6			P
7440-39-3	Barium	5180			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	199000			P
7440-47-3	Chromium	12.2			P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	390			P
7439-92-1	Lead	11.4			P
7439-95-4	Magnesium	33600			P
7439-96-5	Manganese	1900			P
7439-97-6	Mercury	0.051	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2280	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	37200			P
7440-28-0	Thallium	5.5	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	381			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-7 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-008

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	23.8	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	4.8	J		P
7440-39-3	Barium	4630			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	184000			P
7440-47-3	Chromium	15.1			P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	25	U		P
7439-89-6	Iron	381			P
7439-92-1	Lead	10.3			P
7439-95-4	Magnesium	48800			P
7439-96-5	Manganese	775			P
7439-97-6	Mercury	0.052	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2620	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	23200			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	36.1			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-8 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-009

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	39.2	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	10	U		P
7440-39-3	Barium	247			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	16100			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	4.2	J		P
7439-95-4	Magnesium	1420			P
7439-96-5	Manganese	215			P
7439-97-6	Mercury	0.060	J		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	1040	J		P
7782-49-2	Selenium	10	U		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	9.7	J		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	EW-1 111815	**Units:**	µg/L
Lab Code:	R1510079-002	**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	**4.6**		0.20	0.020	1	11/23/15	12/1/15 12:22	250590	474463	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	74	64-124	12/1/15 12:22	

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	EW-2 111815	**Units:**	µg/L
Lab Code:	R1510079-003	**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	**44**		0.20	0.020	1	11/23/15	12/1/15 12:41	250590	474463	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	72	64-124	12/1/15 12:41	

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	EW-3 111815	**Units:**	µg/L
Lab Code:	R1510079-004	**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	**190**		2.0	0.20	10	11/23/15	12/9/15 16:04	250590	475663	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	121	64-124	12/9/15 16:04	

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	EW-4 111815	**Units:**	µg/L
Lab Code:	R1510079-005	**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	**380**		2.0	0.20	10	11/23/15	12/9/15 16:24	250590	475663	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	123	64-124	12/9/15 16:24	

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	DUP-2 111815 (Blind Dup of EW-4)	**Units:**	µg/L
Lab Code:	R1510079-010	**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	**600**		20	2.0	100	11/23/15	12/2/15 12:24	250590	474570	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	0	*	64-124	12/2/15 12:24	D

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	EW-5 111815	**Units:**	µg/L
Lab Code:	R1510079-006	**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	**260**		2.0	0.20	10	11/23/15	12/9/15 17:25	250590	475663	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	107	64-124	12/9/15 17:25	

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	EW-6 111815	**Units:**	µg/L
Lab Code:	R1510079-007	**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	**910**		4.0	0.40	10	11/23/15	12/9/15 17:45	250590	475663	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	100	64-124	12/9/15 17:45	

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	EW-7 111815	**Units:**	µg/L
Lab Code:	R1510079-008	**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	**530**		20	2.0	100	11/23/15	12/2/15 12:06	250590	474570	

Surrogate Name	%Rec		Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	0	*	64-124	12/2/15 12:06	D

Client:	Pace Analytical Services - NY	**Service Request:**	R1510079
Project:	150110455/Dewey Loeffel	**Date Collected:**	11/18/15
Sample Matrix:	Water	**Date Received:**	11/19/15
Sample Name:	EW-8 111815	**Units:**	µg/L
Lab Code:	R1510079-009	**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	11/23/15	12/1/15 15:15	250590	474463	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	74	64-124	12/1/15 15:15	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 120915

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21676.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: not dec. Date Analyzed: 12/16/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 250.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
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	4000	
74-83-9	Bromomethane	250	U
75-00-3	Chloroethane	250	U
75-69-4	Trichlorofluoromethane	250	U
75-35-4	1,1-Dichloroethene	350	
76-13-1	Freon-113	250	U
67-64-1	Acetone	5800	B
75-15-0	Carbon disulfide	250	U
75-09-2	Methylene chloride	1800	
156-60-5	trans-1,2-Dichloroethene	250	U
1634-04-4	Methyl tert-butyl ether	250	U
75-34-3	1,1-Dichloroethane	650	Z
156-59-2	cis-1,2-Dichloroethene	16000	
78-93-3	2-Butanone	250	U
74-97-5	Bromochloromethane	250	U
67-66-3	Chloroform	620	
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	48000	
107-06-2	1,2-Dichloroethane	1600	
79-01-6	Trichloroethene	690	
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	600	Z
108-88-3	Toluene	49000	
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

UN 12/29/15

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 120915

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21676.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: not dec. Date Analyzed: 12/16/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 250.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	11000	
100-41-4	Ethylbenzene	930	
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-7 120915

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21677.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: not dec. Date Analyzed: 12/16/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	2600	
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	BJ
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	4500	
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	27000	
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	28000	
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 120915

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21677.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: not dec. Date Analyzed: 12/16/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	5400	
100-41-4	Ethylbenzene	460	
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	1700	
95-47-6	o-Xylene	540	
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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 120915

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: S3878.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: Decanted: (Y/N) N Date Extracted: 12/15/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/16/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	440	E
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	17	
95-48-7	2-Methylphenol	390	E
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	870	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	220	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	1	J
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

EPA SAMPLE NO.

EW-6 120915

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: S3878.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: Decanted: (Y/N) N Date Extracted: 12/15/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/16/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EW-6 120915DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-001BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3903.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: Decanted: (Y/N) N Date Extracted: 12/15/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/17/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	400	D
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	370	D
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	1000	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

EPA SAMPLE NO.

EW-6 120915DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-001BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3903.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: Decanted: (Y/N) N Date Extracted: 12/15/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/17/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-7 120915

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: S3879.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: Decanted: (Y/N) N Date Extracted: 12/15/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/16/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	33	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	2	J
95-48-7	2-Methylphenol	64	
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	560	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	160	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

EPA SAMPLE NO.

EW-7 120915

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-002B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: S3879.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: Decanted: (Y/N) N Date Extracted: 12/15/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/16/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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-7 120915DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-002BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3904.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: Decanted: (Y/N) N Date Extracted: 12/15/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/17/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	35	DJ
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	64	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	200	U
12-03-3	3-Methylphenol/4-Methylphenol	630	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	160	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

EPA SAMPLE NO.

EW-7 120915DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY347

Matrix: (soil/water) WATER Lab Sample ID: 1512772-002BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: S3904.D

Level: (low/med) LOW Date Received: 12/09/15

% Moisture: Decanted: (Y/N) N Date Extracted: 12/15/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 12/17/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

Analytical Sample Results

Job Number: 15120183

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 120915
Lab Sample ID: 15120183-01 (AS38547)

Collection Date: 12/09/2015 09:30
Sample Matrix: WATER
Received Date: 12/09/2015 12:08
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1823-11	SW-846 Method 8082A	12/22/2015 12:34	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33093	EPA 3535A	12/21/2015 16:00	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-1823-11
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1823-11
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1823-11
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1823-11
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1823-11
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1823-11
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1823-11
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1823-11

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	79.3	47.0-123		GC28F-1823-11
Decachlorobiphenyl	2051-24-3	79.9	35.0-153		GC28F-1823-11
Tetrachloro-meta-xylene	877-09-8	71.4	47.0-123		GC28B-1820-11
Decachlorobiphenyl	2051-24-3	76.7	35.0-153		GC28B-1820-11

[1]Qualifier 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.

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 120915
Lab Sample ID: 15120183-02 (AS38548)

Collection Date: 12/09/2015 10:30
Sample Matrix: WATER
Received Date: 12/09/2015 12:08
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1823-12	SW-846 Method 8082A	12/22/2015 12:48	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	33093	EPA 3535A	12/21/2015 16:00	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-1823-12
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1823-12
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1823-12
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1823-12
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1823-12
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28F-1823-12
Aroclor 1260	11096-82-5	ND	0.0500	1.00	U	GC28F-1823-12
Total PCB Amount	1336-36-3	ND		1.00	U	GC28F-1823-12

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	76.2	47.0-123		GC28F-1823-12
Decachlorobiphenyl	2051-24-3	80.0	35.0-153		GC28F-1823-12
Tetrachloro-meta-xylene	877-09-8	72.2	47.0-123		GC28B-1820-12
Decachlorobiphenyl	2051-24-3	80.8	35.0-153		GC28B-1820-12

[1]Qualifier 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-6 120915

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY347

Matrix (soil/water): WATER Lab Sample ID: 1512772-001

Level (low/med): LOW Date Received: 12/09/2015

% Solids: 0.0

Concentration 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	28.5			P
7440-39-3	Barium	5060			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	188000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	3.1	J		P
7439-89-6	Iron	1000			P
7439-92-1	Lead	19.8		N*	P
7439-95-4	Magnesium	32500			P
7439-96-5	Manganese	1950			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2480	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	24900		E	P
7440-28-0	Thallium	8.6	J		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	17400			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported: 2/12/16

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO
EW-7 120915

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY347

Matrix (soil/water): WATER Lab Sample ID: 1512772-002

Level (low/med): LOW Date Received: 12/09/2015

% Solids: 0.0

Concentration 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	5.3	J		P
7440-38-2	Arsenic	7.3	J		P
7440-39-3	Barium	4000			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	175000			P
7440-47-3	Chromium	10	U		P
7440-48-4	Cobalt	50	U		P
7440-50-8	Copper	3.6	J		P
7439-89-6	Iron	548			P
7439-92-1	Lead	17.6		N*	P
7439-95-4	Magnesium	47300			P
7439-96-5	Manganese	818			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2360	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	24200		E	P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	237			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported: 2/12/16

Client:	Pace Analytical Services - NY	**Service Request:**	R1510709
Project:	15120184/Dewey Loeffel	**Date Collected:**	12/ 9/15 0930
Sample Matrix:	Water	**Date Received:**	12/10/15
Sample Name:	EW-6 120915	**Units:**	µg/L
Lab Code:	R1510709-001	**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	**960**		2.0	0.20	10	12/14/15	12/15/15 19:17	251775	476518	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	98	64-124	12/15/15 19:17	

Client:	Pace Analytical Services - NY	**Service Request:**	R1510709
Project:	15120184/Dewey Loeffel	**Date Collected:**	12/ 9/15 1030
Sample Matrix:	Water	**Date Received:**	12/10/15
Sample Name:	EW-7 120915	**Units:**	µg/L
Lab Code:	R1510709-002	**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	**950**		2.0	0.20	10	12/14/15	12/15/15 19:38	251775	476518	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	89	64-124	12/15/15 19:38	

2015 Leachate Collection Tank Laboratory Result Forms

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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: LEACHATE 011415
Lab Sample ID: 15010218-01 (AS00824)

Collection Date: 01/14/2015 08:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-15-21	EPA Method 8260C	01/20/2015 18:41	TJH	NA	NA	N/A
Analysis 2:	MS11-16-9	EPA Method 8260C	01/21/2015 13:15	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	200	200	U	MS11-15-21
1,1,1-Trichloroethane	71-55-6	ND	200	200	U	MS11-15-21
1,1,2,2-Tetrachloroethane	79-34-5	ND	200	200	U	MS11-15-21
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	200	200	U	MS11-15-21
1,1,2-Trichloroethane	79-00-5	ND	200	200	U	MS11-15-21
1,1-Dichloroethane	75-34-3	**116**	200	200	J	MS11-15-21
1,1-Dichloroethene	75-35-4	ND	200	200	U	MS11-15-21
1,2,3-Trichlorobenzene	87-61-6	ND	200	200	U	MS11-15-21
1,2,4-Trichlorobenzene	120-82-1	ND	200	200	U	MS11-15-21
1,2-Dibromo-3-chloropropane	96-12-8	ND	200	200	U	MS11-15-21
1,2-Dibromoethane	106-93-4	ND	200	200	U	MS11-15-21
1,2-Dichlorobenzene	95-50-1	ND	200	200	U	MS11-15-21
1,2-Dichloroethane	107-06-2	ND	200	200	U	MS11-15-21
1,2-Dichloropropane	78-87-5	ND	200	200	U	MS11-15-21
1,3-Dichlorobenzene	541-73-1	ND	200	200	U	MS11-15-21
1,4-Dichlorobenzene	106-46-7	**160**	200	200	J	MS11-15-21
2-Butanone	78-93-3	**145**	1000	200	J	MS11-15-21
2-Hexanone	591-78-6	ND	1000	200	U	MS11-15-21
4-Methyl-2-pentanone	108-10-1	ND	1000	200	U	MS11-15-21
Acetone	67-64-1	ND	2000	200	U	MS11-15-21
Benzene	71-43-2	**16700**	200	200		MS11-15-21
Bromobenzene	108-86-1	ND	200	200	U	MS11-15-21
Bromochloromethane	74-97-5	ND	200	200	U	MS11-15-21
Bromodichloromethane	75-27-4	ND	200	200	U	MS11-15-21
Bromoform	75-25-2	ND	200	200	U	MS11-15-21
Bromomethane	74-83-9	ND	200	200	U	MS11-15-21
Carbon disulfide	75-15-0	ND	200	200	U	MS11-15-21
Carbon tetrachloride	56-23-5	ND	200	200	U	MS11-15-21
Chlorobenzene	108-90-7	**9660**	200	200		MS11-15-21
Chloroethane	75-00-3	ND	200	200	U	MS11-15-21
Chloroform	67-66-3	ND	200	200	U	MS11-15-21
Chloromethane	74-87-3	ND	200	200	U	MS11-15-21
cis-1,2-Dichloroethene	156-59-2	**3430**	200	200		MS11-15-21
cis-1,3-Dichloropropene	10061-01-5	ND	200	200	U	MS11-15-21
Cyclohexane	110-82-7	ND	200	200	U	MS11-15-21
Dibromochloromethane	124-48-1	ND	200	200	U	MS11-15-21
Dichlorodifluoromethane	75-71-8	ND	200	200	U	MS11-15-21
Ethylbenzene	100-41-4	**838**	200	200		MS11-15-21
Isopropylbenzene	98-82-8	ND	200	200	U	MS11-15-21
m&p-Xylene	136777-61-2	**3580**	200	200		MS11-15-21
Methyl acetate	79-20-9	ND	200	200	U	MS11-15-21
Methyl tert-butyl ether	1634-04-4	ND	200	200	U	MS11-15-21
Methylcyclohexane	108-87-2	ND	200	200	U	MS11-15-21
Methylene chloride	75-09-2	ND	200	200	U	MS11-15-21

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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: LEACHATE 011415
Lab Sample ID: 15010218-01 (AS00824)

Collection Date: 01/14/2015 08:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-15-21	EPA Method 8260C	01/20/2015 18:41	TJH	NA	NA	N/A
Analysis 2:	MS11-16-9	EPA Method 8260C	01/21/2015 13:15	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
o-Xylene	95-47-6	**811**	200	200		MS11-15-21
Styrene	100-42-5	ND	200	200	U	MS11-15-21
Tetrachloroethene	127-18-4	ND	200	200	U	MS11-15-21
Toluene	108-88-3	**30000**	500	500		MS11-16-9
Total Xylenes	1330-20-7	**4390**	200	200		MS11-15-21
trans-1,2-Dichloroethene	156-60-5	ND	200	200	U	MS11-15-21
trans-1,3-Dichloropropene	10061-02-6	ND	200	200	U	MS11-15-21
Trichloroethene	79-01-6	ND	200	200	U	MS11-15-21
Trichlorofluoromethane	75-69-4	ND	200	200	U	MS11-15-21
Vinyl chloride	75-01-4	**1650**	200	200		MS11-15-21

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	98.4	76.5-132		MS11-15-21
Dibromofluoromethane	1868-53-7	99.1	78.0-126		MS11-15-21
toluene-d8	2037-26-5	99.7	82.0-115		MS11-15-21
1,2-Dichloroethane-d4	17060-07-0	96.9	83.2-120		MS11-15-21

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for Dichlorodifluoromethane exceeded method established limits for the associated Continuing Calibration Verification sample. Samples are ND for this analyte. No bias indicated.
The relative percent difference between the matrix spike and the matrix spike duplicate sample was outside quality acceptance limits for sample (LAB ID: AS00824K). Please see associated matrix spike form for details.
The percent recovery for Toluene was below quality control limits for the associated matrix spike and matrix spike duplicate.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415 (Blind Dup of Leachate)
Lab Sample ID: 15010218-05 (AS00828)

Collection Date: 01/14/2015
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-15-25	EPA Method 8260C	01/20/2015 20:40	TJH	NA	NA	N/A
Analysis 2:	MS11-16-13	EPA Method 8260C	01/21/2015 15:20	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	200	200	U	MS11-15-25
1,1,1-Trichloroethane	71-55-6	ND	200	200	U	MS11-15-25
1,1,2,2-Tetrachloroethane	79-34-5	ND	200	200	U	MS11-15-25
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	200	200	U	MS11-15-25
1,1,2-Trichloroethane	79-00-5	ND	200	200	U	MS11-15-25
1,1-Dichloroethane	75-34-3	**118**	200	200	J	MS11-15-25
1,1-Dichloroethene	75-35-4	ND	200	200	U	MS11-15-25
1,2,3-Trichlorobenzene	87-61-6	ND	200	200	U	MS11-15-25
1,2,4-Trichlorobenzene	120-82-1	ND	200	200	U	MS11-15-25
1,2-Dibromo-3-chloropropane	96-12-8	ND	200	200	U	MS11-15-25
1,2-Dibromoethane	106-93-4	ND	200	200	U	MS11-15-25
1,2-Dichlorobenzene	95-50-1	ND	200	200	U	MS11-15-25
1,2-Dichloroethane	107-06-2	ND	200	200	U	MS11-15-25
1,2-Dichloropropane	78-87-5	ND	200	200	U	MS11-15-25
1,3-Dichlorobenzene	541-73-1	ND	200	200	U	MS11-15-25
1,4-Dichlorobenzene	106-46-7	**167**	200	200	J	MS11-15-25
2-Butanone	78-93-3	**140**	1000	200	J	MS11-15-25
2-Hexanone	591-78-6	ND	1000	200	U	MS11-15-25
4-Methyl-2-pentanone	108-10-1	ND	1000	200	U	MS11-15-25
Acetone	67-64-1	ND	2000	200	U	MS11-15-25
Benzene	71-43-2	**17200**	200	200		MS11-15-25
Bromobenzene	108-86-1	ND	200	200	U	MS11-15-25
Bromochloromethane	74-97-5	ND	200	200	U	MS11-15-25
Bromodichloromethane	75-27-4	ND	200	200	U	MS11-15-25
Bromoform	75-25-2	ND	200	200	U	MS11-15-25
Bromomethane	74-83-9	ND	200	200	U	MS11-15-25
Carbon disulfide	75-15-0	ND	200	200	U	MS11-15-25
Carbon tetrachloride	56-23-5	ND	200	200	U	MS11-15-25
Chlorobenzene	108-90-7	**10100**	200	200		MS11-15-25
Chloroethane	75-00-3	ND	200	200	U	MS11-15-25
Chloroform	67-66-3	ND	200	200	U	MS11-15-25
Chloromethane	74-87-3	ND	200	200	U	MS11-15-25
cis-1,2-Dichloroethene	156-59-2	**3520**	200	200		MS11-15-25
cis-1,3-Dichloropropene	10061-01-5	ND	200	200	U	MS11-15-25
Cyclohexane	110-82-7	ND	200	200	U	MS11-15-25
Dibromochloromethane	124-48-1	ND	200	200	U	MS11-15-25
Dichlorodifluoromethane	75-71-8	ND	200	200	U	MS11-15-25
Ethylbenzene	100-41-4	**881**	200	200		MS11-15-25
Isopropylbenzene	98-82-8	ND	200	200	U	MS11-15-25
m&p-Xylene	136777-61-2	**3630**	200	200		MS11-15-25
Methyl acetate	79-20-9	ND	200	200	U	MS11-15-25
Methyl tert-butyl ether	1634-04-4	ND	200	200	U	MS11-15-25
Methylcyclohexane	108-87-2	ND	200	200	U	MS11-15-25
Methylene chloride	75-09-2	ND	200	200	U	MS11-15-25

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415 (Blind Dup of Leachate)
Lab Sample ID: 15010218-05 (AS00828)

Collection Date: 01/14/2015
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS11-15-25	EPA Method 8260C	01/20/2015 20:40	TJH	NA	NA	N/A
Analysis 2:	MS11-16-13	EPA Method 8260C	01/21/2015 15:20	TJH	NA	NA	N/A

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
o-Xylene	95-47-6	**827**	200	200		MS11-15-25
Styrene	100-42-5	ND	200	200	U	MS11-15-25
Tetrachloroethene	127-18-4	ND	200	200	U	MS11-15-25
Toluene	108-88-3	**27200**	500	500		MS11-16-13
Total Xylenes	1330-20-7	**4460**	200	200		MS11-15-25
trans-1,2-Dichloroethene	156-60-5	ND	200	200	U	MS11-15-25
trans-1,3-Dichloropropene	10061-02-6	ND	200	200	U	MS11-15-25
Trichloroethene	79-01-6	ND	200	200	U	MS11-15-25
Trichlorofluoromethane	75-69-4	ND	200	200	U	MS11-15-25
Vinyl chloride	75-01-4	**1680**	200	200		MS11-15-25

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	94.7	76.5-132		MS11-15-25
Dibromofluoromethane	1868-53-7	100	78.0-126		MS11-15-25
toluene-d8	2037-26-5	99.1	82.0-115		MS11-15-25
1,2-Dichloroethane-d4	17060-07-0	96.3	83.2-120		MS11-15-25

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for Dichlorodifluoromethane exceeded method established limits for the associated Continuing Calibration Verification sample. Samples are ND for this analyte. No bias indicated.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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: LEACHATE 011415
Lab Sample ID: 15010218-01 (AS00824)

Collection Date: 01/14/2015 08:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-15	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 14:18	RMS	NA	NA	N/A
Analysis 2:	MS09-527-16	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 14:37	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	ND	18.7	2.00	U	MS09-527-15
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS09-527-15
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS09-527-15
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS09-527-15
2,4-Dimethylphenol	105-67-9	**183**	18.7	2.00		MS09-527-15
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS09-527-15
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS09-527-15
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS09-527-15
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS09-527-15
2-Chlorophenol	95-57-8	ND	18.7	2.00	U	MS09-527-15
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS09-527-15
2-Methylphenol	95-48-7	**36.0**	18.7	2.00		MS09-527-15
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS09-527-15
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS09-527-15
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS09-527-15
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS09-527-15
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS09-527-15
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS09-527-15
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS09-527-15
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS09-527-15
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS09-527-15
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS09-527-15
4-Nitrophenol	100-02-7	**4.02**	18.7	2.00	J	MS09-527-15
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS09-527-15
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS09-527-15
Anthracene	120-12-7	ND	9.35	2.00	U	MS09-527-15
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS09-527-15
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS09-527-15
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS09-527-15
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS09-527-15
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS09-527-15
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS09-527-15
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS09-527-15
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS09-527-15
bis(2-Ethylhexyl)phthalate	117-81-7	ND	18.7	2.00	U	MS09-527-15
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS09-527-15
Carbazole	86-74-8	ND	9.35	2.00	U	MS09-527-15
Chrysene	218-01-9	ND	9.35	2.00	U	MS09-527-15
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS09-527-15
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS09-527-15
Diethylphthalate	84-66-2	ND	18.7	2.00	U	MS09-527-15
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS09-527-15
Di-n-butylphthalate	84-74-2	**2.78**	18.7	2.00	J	MS09-527-15

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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: LEACHATE 011415
Lab Sample ID: 15010218-01 (AS00824)

Collection Date: 01/14/2015 08:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-15	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 14:18	RMS	NA	NA	N/A
Analysis 2:	MS09-527-16	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 14:37	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Di-n-octylphthalate	117-84-0	ND	18.7	2.00	U	MS09-527-15
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS09-527-15
Fluorene	86-73-7	ND	9.35	2.00	U	MS09-527-15
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS09-527-15
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS09-527-15
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS09-527-15
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS09-527-15
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS09-527-15
Isophorone	78-59-1	ND	18.7	2.00	U	MS09-527-15
m & p-Methylphenol	108-39-4/106-44-5	**615**	187	20.0		MS09-527-16
Naphthalene	91-20-3	**7.91**	9.35	2.00	J	MS09-527-15
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS09-527-15
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS09-527-15
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS09-527-15
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS09-527-15
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS09-527-15
Phenol	108-95-2	**5.68**	18.7	2.00	J	MS09-527-15
Pyrene	129-00-0	ND	9.35	2.00	U	MS09-527-15

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	116	22.8-161		MS09-527-15
2-Fluorobiphenyl	321-60-8	81.4	26.3-121		MS09-527-15
2-Fluorophenol	367-12-4	39.6	10.0-86.4		MS09-527-15
Terphenyl-d14	1718-51-0	89.3	33.7-154		MS09-527-15
Nitrobenzene-d5	4165-60-0	66.9	12.7-139		MS09-527-15
Phenol-d6	13127-88-3	19.5	10.0-87.4		MS09-527-15

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for N-Nitrosodin-propylamine, hexachlorocyclopentadiene, phenol and phenol-d6 were below method established limits for the associated Continuing Calibration Verification Sample. Low analytical bias may be indicated.
The percent recovery for 2-Nitroaniline, 3-Nitroaniline and 4-Nitroaniline exceeded method established limits for the associated Continuing Calibration Verification Sample. Samples are ND for this analyte. No bias indicated.
The percent recovery for phenol was below quality control limits for the associated Laboratory Control Spike. Low analytical bias may be indicated.
The percent recovery for phenol and 4-chloro-3-methyphenol were outside quality control limits for the associated matrix spike and matrix spike duplicate.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415 (Blind Dup of Leachate)
Lab Sample ID: 15010218-05 (AS00828)

Collection Date: 01/14/2015
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-21	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 16:13	RMS	NA	NA	N/A
Analysis 2:	MS09-527-22	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 16:32	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	ND	18.7	2.00	U	MS09-527-21
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS09-527-21
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS09-527-21
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS09-527-21
2,4-Dimethylphenol	105-67-9	**197**	18.7	2.00		MS09-527-21
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS09-527-21
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS09-527-21
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS09-527-21
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS09-527-21
2-Chlorophenol	95-57-8	ND	18.7	2.00	U	MS09-527-21
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS09-527-21
2-Methylphenol	95-48-7	**39.8**	18.7	2.00		MS09-527-21
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS09-527-21
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS09-527-21
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS09-527-21
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS09-527-21
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS09-527-21
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS09-527-21
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS09-527-21
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS09-527-21
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS09-527-21
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS09-527-21
4-Nitrophenol	100-02-7	ND	18.7	2.00	U	MS09-527-21
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS09-527-21
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS09-527-21
Anthracene	120-12-7	ND	9.35	2.00	U	MS09-527-21
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS09-527-21
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS09-527-21
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS09-527-21
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS09-527-21
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS09-527-21
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS09-527-21
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS09-527-21
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS09-527-21
bis(2-Ethylhexyl)phthalate	117-81-7	ND	18.7	2.00	U	MS09-527-21
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS09-527-21
Carbazole	86-74-8	ND	9.35	2.00	U	MS09-527-21
Chrysene	218-01-9	ND	9.35	2.00	U	MS09-527-21
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS09-527-21
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS09-527-21
Diethylphthalate	84-66-2	ND	18.7	2.00	U	MS09-527-21
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS09-527-21
Di-n-butylphthalate	84-74-2	**2.91**	18.7	2.00	J	MS09-527-21

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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 011415 (Blind Dup of Leachate)
Lab Sample ID: 15010218-05 (AS00828)

Collection Date: 01/14/2015
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS09-527-21	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 16:13	RMS	NA	NA	N/A
Analysis 2:	MS09-527-22	EPA Method 8270D CLP OLM 4.3 List	01/27/2015 16:32	RMS	NA	NA	N/A
Prep 1:	29922	EPA 3510C	01/16/2015 08:56	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Di-n-octylphthalate	117-84-0	ND	18.7	2.00	U	MS09-527-21
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS09-527-21
Fluorene	86-73-7	ND	9.35	2.00	U	MS09-527-21
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS09-527-21
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS09-527-21
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS09-527-21
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS09-527-21
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS09-527-21
Isophorone	78-59-1	ND	18.7	2.00	U	MS09-527-21
m & p-Methylphenol	108-39-4/106-44-5	**630**	187	20.0		MS09-527-22
Naphthalene	91-20-3	**9.13**	9.35	2.00	J	MS09-527-21
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS09-527-21
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS09-527-21
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS09-527-21
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS09-527-21
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS09-527-21
Phenol	108-95-2	**6.70**	18.7	2.00	J	MS09-527-21
Pyrene	129-00-0	ND	9.35	2.00	U	MS09-527-21

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	121	22.8-161		MS09-527-21
2-Fluorobiphenyl	321-60-8	87.8	26.3-121		MS09-527-21
2-Fluorophenol	367-12-4	44.7	10.0-86.4		MS09-527-21
Terphenyl-d14	1718-51-0	90.9	33.7-154		MS09-527-21
Nitrobenzene-d5	4165-60-0	76.4	12.7-139		MS09-527-21
Phenol-d6	13127-88-3	22.3	10.0-87.4		MS09-527-21

[1]Qualifier 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.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The percent recovery for N-Nitrosodin-propylamine, hexachlorocyclopentadiene, phenol and phenol-d6 were below method established limits for the associated Continuing Calibration Verification Sample. Low analytical bias may be indicated.
The percent recovery for 2-Nitroaniline, 3-Nitroaniline and 4-Nitroaniline exceeded method established limits for the associated Continuing Calibration Verification Sample. Samples are ND for this analyte. No bias indicated.
The percent recovery for phenol was below quality control limits for the associated Laboratory Control Spike. Low analytical bias may be indicated.

Analytical Sample Results

Job Number: 15010218

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: LEACHATE 011415
Lab Sample ID: 15010218-01 (AS00824)

Collection Date: 01/14/2015 08:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1529-22	SW-846 Method 8082A	01/22/2015 17:58	AMR	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	29948	EPA 3535A	01/21/2015 13:02	KEN	1070 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-1529-22
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1529-22
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1529-22
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28F-1529-22
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1529-22
Aroclor 1254	11097-69-1	**0.110**	0.0500	1.00	AF	GC28F-1529-22
Aroclor 1260	11096-82-5	**0.166**	0.0500	1.00	AG	GC28F-1529-22
Total PCB Amount	1336-36-3	**0.276**		1.00		GC28F-1529-22

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	89.3	60.0-140		GC28F-1529-22
Decachlorobiphenyl	2051-24-3	103	60.0-140		GC28F-1529-22
Tetrachloro-meta-xylene	877-09-8	84.8	60.0-140		GC28B-1527-22
Decachlorobiphenyl	2051-24-3	96.4	60.0-140		GC28B-1527-22

[1]Qualifier 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.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

Analytical Sample Results

Job Number: 15010218

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 011415 (Blind Dup of Leachate)
Lab Sample ID: 15010218-05 (AS00828)

Collection Date: 01/14/2015
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28B-1527-26	SW-846 Method 8082A	01/22/2015 18:53	AMR	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	29948	EPA 3535A	01/21/2015 13:02	KEN	1070 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-1527-26
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28B-1527-26
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28B-1527-26
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28B-1527-26
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28B-1527-26
Aroclor 1254	11097-69-1	**0.179**	0.0500	1.00	AF	GC28B-1527-26
Aroclor 1260	11096-82-5	**0.160**	0.0500	1.00	AG	GC28B-1527-26
Total PCB Amount	1336-36-3	**0.339**		1.00		GC28B-1527-26

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	93.3	60.0-140		GC28F-1529-26
Decachlorobiphenyl	2051-24-3	97.4	60.0-140		GC28F-1529-26
Tetrachloro-meta-xylene	877-09-8	81.3	60.0-140		GC28B-1527-26
Decachlorobiphenyl	2051-24-3	94.5	60.0-140		GC28B-1527-26

[1]Qualifier 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.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

Pace Analytical®

Analytical Sample Results

Job Number: 15010218

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: LEACHATE 011415
Lab Sample ID: 15010218-01 (AS00824)

Collection Date: 01/14/2015 08:15
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1476-80	SW-846 6010C	01/20/2015 14:04	LMS	NA	NA	NA
Prep 1:	5352	EPA 3005A	01/19/2015 09:24	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	**0.0220**	0.0500	1.00	J	ICP2-1476-80
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1476-80
Arsenic	7440-38-2	**0.0655**	0.00500	1.00		ICP2-1476-80
Barium	7440-39-3	**2.30**	0.00500	1.00	B	ICP2-1476-80
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1476-80
Cadmium	7440-43-9	ND	0.00400	1.00	U	ICP2-1476-80
Calcium	7440-70-2	**141**	0.500	1.00		ICP2-1476-80
Chromium	7440-47-3	**0.00441**	0.00500	1.00	J	ICP2-1476-80
Cobalt	7440-48-4	**0.00507**	0.00500	1.00		ICP2-1476-80
Copper	7440-50-8	ND	0.00500	1.00	U	ICP2-1476-80
Iron	7439-89-6	**33.9**	0.0500	1.00		ICP2-1476-80
Lead	7439-92-1	ND	0.00500	1.00	U	ICP2-1476-80
Magnesium	7439-95-4	**30.7**	0.500	1.00		ICP2-1476-80
Manganese	7439-96-5	**13.5**	0.00500	1.00		ICP2-1476-80
Nickel	7440-02-0	**0.00171**	0.00500	1.00	J	ICP2-1476-80
Potassium	7440-09-7	**2.50**	0.500	1.00		ICP2-1476-80
Selenium	7782-49-2	**0.00656**	0.0100	1.00	J	ICP2-1476-80
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1476-80
Sodium	7440-23-5	**34.7**	0.500	1.00		ICP2-1476-80
Thallium	7440-28-0	**0.0202**	0.0100	1.00		ICP2-1476-80
Vanadium	7440-62-2	ND	0.00500	1.00	U	ICP2-1476-80
Zinc	7440-66-6	**0.0430**	0.00500	1.00		ICP2-1476-80

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.
The relative percent difference between the matrix spike and the matrix spike duplicate sample was outside quality acceptance limits for sample (LAB ID: AS00824K). Please see associated matrix spike form for details.

Analytical Sample Results

Job Number: 15010218

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 011415 (Blind Dup of Leachate)
Lab Sample ID: 15010218-05 (AS00828)

Collection Date: 01/14/2015
Sample Matrix: WATER
Received Date: 01/14/2015 13:21
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1476-88	SW-846 6010C	01/20/2015 14:22	LMS	NA	NA	NA
Prep 1:	5352	EPA 3005A	01/19/2015 09:24	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	**0.0207**	0.0500	1.00	J	ICP2-1476-88
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1476-88
Arsenic	7440-38-2	**0.0682**	0.00500	1.00		ICP2-1476-88
Barium	7440-39-3	**2.31**	0.00500	1.00	B	ICP2-1476-88
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1476-88
Cadmium	7440-43-9	ND	0.00400	1.00	U	ICP2-1476-88
Calcium	7440-70-2	**141**	0.500	1.00		ICP2-1476-88
Chromium	7440-47-3	**0.00475**	0.00500	1.00	J	ICP2-1476-88
Cobalt	7440-48-4	**0.00484**	0.00500	1.00	J	ICP2-1476-88
Copper	7440-50-8	ND	0.00500	1.00	U	ICP2-1476-88
Iron	7439-89-6	**34.2**	0.0500	1.00		ICP2-1476-88
Lead	7439-92-1	**0.00754**	0.00500	1.00		ICP2-1476-88
Magnesium	7439-95-4	**31.0**	0.500	1.00		ICP2-1476-88
Manganese	7439-96-5	**13.5**	0.00500	1.00		ICP2-1476-88
Nickel	7440-02-0	**0.00150**	0.00500	1.00	J	ICP2-1476-88
Potassium	7440-09-7	**2.52**	0.500	1.00		ICP2-1476-88
Selenium	7782-49-2	**0.00760**	0.0100	1.00	J	ICP2-1476-88
Silver	7440-22-4	**0.00100**	0.00700	1.00	J	ICP2-1476-88
Sodium	7440-23-5	**34.7**	0.500	1.00		ICP2-1476-88
Thallium	7440-28-0	**0.0203**	0.0100	1.00		ICP2-1476-88
Vanadium	7440-62-2	**0.000857**	0.00500	1.00	JB	ICP2-1476-88
Zinc	7440-66-6	**0.111**	0.00500	1.00		ICP2-1476-88

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1500333
Project:	15010216 Dewey Loeffel	**Date Collected:**	1/14/15
Sample Matrix:	Water	**Date Received:**	1/15/15
		Date Analyzed:	1/16/15

Matrix Spike Summary
1,4-Dioxane by GC/MS

Sample Name:	LEACHATE 011415	**Units:**	µg/L
Lab Code:	R1500333-001	**Basis:**	NA

Analytical Method: 8270D
Prep Method: EPA 3535A

		LEACHATE 011415MS Matrix Spike RQ1500520-04			LEACHATE 011415DMS Duplicate Matrix Spike RQ1500520-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,4-Dioxane	800	913	100	117 #	883	100	87 #	33 - 146	3	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1500333
Project:	15010216 Dewey Loeffel	**Date Collected:**	1/14/15
Sample Matrix:	Water	**Date Received:**	1/15/15
		Date Extracted:	1/16/15
		Date Analyzed:	1/19/15 10:17
Sample Name:	DUP 011415 (Blind Dup of Leachate)	**Units:**	µg/L
Lab Code:	R1500333-005	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	429622
Prep Method:	EPA 3535A	**Extraction Lot:**	227442
Data File Name:	I:\ACQUDATA\5975E\data\011915\AI021.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	10

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**820**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	89	57-118	1/19/15 10:17	

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Analytical Sample Results

Job Number: 15020172

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: LEACHATE 021115
Lab Sample ID: 15020172-01 (AS03143)

Collection Date: 02/11/2015 08:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-11	EPA Method 8260C	02/12/2015 13:42	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-365-20	EPA Method 8260C	02/12/2015 17:39	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1,1,2-Tetrachloroethane	630-20-6	ND	100	100	U	MS10-365-20
1,1,1-Trichloroethane	71-55-6	ND	100	100	U	MS10-365-20
1,1,2,2-Tetrachloroethane	79-34-5	ND	100	100	U	MS10-365-20
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	ND	100	100	U	MS10-365-20
1,1,2-Trichloroethane	79-00-5	ND	100	100	U	MS10-365-20
1,1-Dichloroethane	75-34-3	**80.2**	100	100	J	MS10-365-20
1,1-Dichloroethene	75-35-4	ND	100	100	U	MS10-365-20
1,2,3-Trichlorobenzene	87-61-6	ND	100	100	U	MS10-365-20
1,2,4-Trichlorobenzene	120-82-1	ND	100	100	U	MS10-365-20
1,2-Dibromo-3-chloropropane	96-12-8	ND	100	100	U	MS10-365-20
1,2-Dibromoethane	106-93-4	ND	100	100	U	MS10-365-20
1,2-Dichlorobenzene	95-50-1	ND	100	100	U	MS10-365-20
1,2-Dichloroethane	107-06-2	ND	100	100	U	MS10-365-20
1,2-Dichloropropane	78-87-5	ND	100	100	U	MS10-365-20
1,3-Dichlorobenzene	541-73-1	ND	100	100	U	MS10-365-20
1,4-Dichlorobenzene	106-46-7	**108**	100	100		MS10-365-20
2-Butanone	78-93-3	ND	500	100	U	MS10-365-20
2-Hexanone	591-78-6	ND	500	100	U	MS10-365-20
4-Methyl-2-pentanone	108-10-1	ND	500	100	U	MS10-365-20
Acetone	67-64-1	ND	1000	100	U	MS10-365-20
Benzene	71-43-2	**16900**	500	500		MS10-365-11
Bromobenzene	108-86-1	ND	100	100	U	MS10-365-20
Bromochloromethane	74-97-5	ND	100	100	U	MS10-365-20
Bromodichloromethane	75-27-4	ND	100	100	U	MS10-365-20
Bromoform	75-25-2	ND	100	100	U	MS10-365-20
Bromomethane	74-83-9	ND	100	100	U	MS10-365-20
Carbon disulfide	75-15-0	ND	100	100	U	MS10-365-20
Carbon tetrachloride	56-23-5	ND	100	100	U	MS10-365-20
Chlorobenzene	108-90-7	**6290**	100	100		MS10-365-20
Chloroethane	75-00-3	ND	100	100	U	MS10-365-20
Chloroform	67-66-3	ND	100	100	U	MS10-365-20
Chloromethane	74-87-3	ND	100	100	U	MS10-365-20
cis-1,2-Dichloroethene	156-59-2	**2270**	100	100		MS10-365-20
cis-1,3-Dichloropropene	10061-01-5	ND	100	100	U	MS10-365-20
Cyclohexane	110-82-7	ND	100	100	U	MS10-365-20
Dibromochloromethane	124-48-1	ND	100	100	U	MS10-365-20
Dichlorodifluoromethane	75-71-8	ND	100	100	U	MS10-365-20
Ethylbenzene	100-41-4	**517**	100	100		MS10-365-20
Isopropylbenzene	98-82-8	ND	100	100	U	MS10-365-20
m&p-Xylene	136777-61-2	**2200**	100	100		MS10-365-20
Methyl acetate	79-20-9	ND	100	100	U	MS10-365-20
Methyl tert-butyl ether	1634-04-4	ND	100	100	U	MS10-365-20
Methylcyclohexane	108-87-2	ND	100	100	U	MS10-365-20
Methylene chloride	75-09-2	ND	100	100	U	MS10-365-20

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Analytical Sample Results

Job Number: 15020172

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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 021115
Lab Sample ID: 15020172-01 (AS03143)

Collection Date: 02/11/2015 08:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS10-365-11	EPA Method 8260C	02/12/2015 13:42	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm
Analysis 2:	MS10-365-20	EPA Method 8260C	02/12/2015 17:39	TJH	NA	NA	Restek, Rtx-VMS, 40 m, 0.18 mm ID, 1.00 µm

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
o-Xylene	95-47-6	**489**	100	100		MS10-365-20
Styrene	100-42-5	ND	100	100	U	MS10-365-20
Tetrachloroethene	127-18-4	ND	100	100	U	MS10-365-20
Toluene	108-88-3	**26100**	500	500		MS10-365-11
Total Xylenes	1330-20-7	**2690**	100	100		MS10-365-20
trans-1,2-Dichloroethene	156-60-5	ND	100	100	U	MS10-365-20
trans-1,3-Dichloropropene	10061-02-6	ND	100	100	U	MS10-365-20
Trichloroethene	79-01-6	ND	100	100	U	MS10-365-20
Trichlorofluoromethane	75-69-4	ND	100	100	U	MS10-365-20
Vinyl chloride	75-01-4	**1160**	100	100		MS10-365-20

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Bromofluorobenzene	460-00-4	105	76.5-132		MS10-365-20
Dibromofluoromethane	1868-53-7	101	78.0-126		MS10-365-20
toluene-d8	2037-26-5	95.0	82.0-115		MS10-365-20
1,2-Dichloroethane-d4	17060-07-0	116	83.2-120		MS10-365-20

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

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J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

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Collection Date: 02/11/2015 08:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-18	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 14:31	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Analysis 2:	MS07-1491-25	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 17:06	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
1,1-Biphenyl	92-52-4	ND	18.7	2.00	U	MS07-1491-18
2,4,5-Trichlorophenol	95-95-4	ND	18.7	2.00	U	MS07-1491-18
2,4,6-Trichlorophenol	88-06-2	ND	18.7	2.00	U	MS07-1491-18
2,4-Dichlorophenol	120-83-2	ND	18.7	2.00	U	MS07-1491-18
2,4-Dimethylphenol	105-67-9	**172**	18.7	2.00		MS07-1491-18
2,4-Dinitrophenol	51-28-5	ND	18.7	2.00	U	MS07-1491-18
2,4-Dinitrotoluene	121-14-2	ND	18.7	2.00	U	MS07-1491-18
2,6-Dinitrotoluene	606-20-2	ND	18.7	2.00	U	MS07-1491-18
2-Chloronaphthalene	91-58-7	ND	9.35	2.00	U	MS07-1491-18
2-Chlorophenol	95-57-8	ND	18.7	2.00	U	MS07-1491-18
2-Methylnaphthalene	91-57-6	ND	9.35	2.00	U	MS07-1491-18
2-Methylphenol	95-48-7	**38.8**	18.7	2.00		MS07-1491-18
2-Nitroaniline	88-74-4	ND	18.7	2.00	U	MS07-1491-18
2-Nitrophenol	88-75-5	ND	18.7	2.00	U	MS07-1491-18
3,3'-Dichlorobenzidine	91-94-1	ND	18.7	2.00	U	MS07-1491-18
3-Nitroaniline	99-09-2	ND	18.7	2.00	U	MS07-1491-18
4,6-Dinitro-2-methylphenol	534-52-1	ND	18.7	2.00	U	MS07-1491-18
4-Bromophenyl-phenylether	101-55-3	ND	18.7	2.00	U	MS07-1491-18
4-Chloro-3-methylphenol	59-50-7	ND	18.7	2.00	U	MS07-1491-18
4-Chloroaniline	106-47-8	ND	18.7	2.00	U	MS07-1491-18
4-Chlorophenyl-phenylether	7005-72-3	ND	18.7	2.00	U	MS07-1491-18
4-Nitroaniline	100-01-6	ND	18.7	2.00	U	MS07-1491-18
4-Nitrophenol	100-02-7	ND	18.7	2.00	U	MS07-1491-18
Acenaphthene	83-32-9	ND	9.35	2.00	U	MS07-1491-18
Acenaphthylene	208-96-8	ND	9.35	2.00	U	MS07-1491-18
Anthracene	120-12-7	ND	9.35	2.00	U	MS07-1491-18
Benzo(a)anthracene	56-55-3	ND	9.35	2.00	U	MS07-1491-18
Benzo(a)pyrene	50-32-8	ND	9.35	2.00	U	MS07-1491-18
Benzo(b)fluoranthene	205-99-2	ND	9.35	2.00	U	MS07-1491-18
Benzo(g,h,i)perylene	191-24-2	ND	9.35	2.00	U	MS07-1491-18
Benzo(k)fluoranthene	207-08-9	ND	9.35	2.00	U	MS07-1491-18
bis(2-chloroethoxy)methane	111-91-1	ND	18.7	2.00	U	MS07-1491-18
bis(2-chloroethyl)ether	111-44-4	ND	18.7	2.00	U	MS07-1491-18
bis(2-Chloroisopropyl)ether	108-60-1	ND	18.7	2.00	U	MS07-1491-18
bis(2-Ethylhexyl)phthalate	117-81-7	ND	18.7	2.00	U	MS07-1491-18
Butylbenzylphthalate	85-68-7	ND	18.7	2.00	U	MS07-1491-18
Carbazole	86-74-8	ND	9.35	2.00	U	MS07-1491-18
Chrysene	218-01-9	ND	9.35	2.00	U	MS07-1491-18
Dibenz(a,h)anthracene	53-70-3	ND	9.35	2.00	U	MS07-1491-18
Dibenzofuran	132-64-9	ND	9.35	2.00	U	MS07-1491-18
Diethylphthalate	84-66-2	**9.35**	18.7	2.00	JB	MS07-1491-18
Dimethylphthalate	131-11-3	ND	18.7	2.00	U	MS07-1491-18
Di-n-butylphthalate	84-74-2	ND	18.7	2.00	U	MS07-1491-18

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Analytical Sample Results

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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: LEACHATE 021115
Lab Sample ID: 15020172-01 (AS03143)

Collection Date: 02/11/2015 08:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	MS07-1491-18	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 14:31	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Analysis 2:	MS07-1491-25	EPA Method 8270D CLP OLM 4.3 List	02/25/2015 17:06	RMS	NA	NA	Varian, VF-5MS,30 m, 0.25 mm ID, 0.25 µm
Prep 1:	30158	EPA 3510C	02/17/2015 14:32	KEN	1070 mL	1.00 mL	NA

Analyte	CAS No.	Result (ug/L)	PQL	Dilution Factor	Flags	File ID
Di-n-octylphthalate	117-84-0	ND	18.7	2.00	U	MS07-1491-18
Fluoranthene	206-44-0	ND	9.35	2.00	U	MS07-1491-18
Fluorene	86-73-7	ND	9.35	2.00	U	MS07-1491-18
Hexachlorobenzene	118-74-1	ND	18.7	2.00	U	MS07-1491-18
Hexachlorobutadiene	87-68-3	ND	18.7	2.00	U	MS07-1491-18
Hexachlorocyclopentadiene	77-47-4	ND	18.7	2.00	U	MS07-1491-18
Hexachloroethane	67-72-1	ND	18.7	2.00	U	MS07-1491-18
Indeno(1,2,3-cd)pyrene	193-39-5	ND	9.35	2.00	U	MS07-1491-18
Isophorone	78-59-1	ND	18.7	2.00	U	MS07-1491-18
m & p-Methylphenol	108-39-4/106-44-5	**672**	93.5	10.0		MS07-1491-25
Naphthalene	91-20-3	**8.60**	9.35	2.00	J	MS07-1491-18
Nitrobenzene	98-95-3	ND	18.7	2.00	U	MS07-1491-18
N-Nitroso-di-n-propylamine	621-64-7	ND	18.7	2.00	U	MS07-1491-18
N-Nitrosodiphenylamine	86-30-6	ND	18.7	2.00	U	MS07-1491-18
Pentachlorophenol	87-86-5	ND	18.7	2.00	U	MS07-1491-18
Phenanthrene	85-01-8	ND	9.35	2.00	U	MS07-1491-18
Phenol	108-95-2	**8.72**	18.7	2.00	J	MS07-1491-18
Pyrene	129-00-0	ND	9.35	2.00	U	MS07-1491-18

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
2,4,6-Tribromophenol	118-79-6	93.7	22.8-161		MS07-1491-18
2-Fluorobiphenyl	321-60-8	74.9	26.3-121		MS07-1491-18
Terphenyl-d14	1718-51-0	86.5	33.7-154		MS07-1491-18
Nitrobenzene-d5	4165-60-0	64.8	12.7-139		MS07-1491-18
Phenol-d6	13127-88-3	22.7	10.0-87.4		MS07-1491-18
2-Fluorophenol	367-12-4	18.6	10.0-86.4		MS07-1491-25

[1]Qualifier 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.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

Analytical Sample Results

Job Number: 15020172

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: LEACHATE 021115
Lab Sample ID: 15020172-01 (AS03143)

Collection Date: 02/11/2015 08:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1550-14	SW-846 Method 8082A	02/23/2015 11:23	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30182	EPA 3535A	02/19/2015 13:57	KEN	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-1550-14
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28F-1550-14
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28F-1550-14
Aroclor 1242	53469-21-9	**0.111**	0.0500	1.00	AD	GC28F-1550-14
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28F-1550-14
Aroclor 1254	11097-69-1	**0.106**	0.0500	1.00	AF	GC28F-1550-14
Aroclor 1260	11096-82-5	**0.155**	0.0500	1.00	AG	GC28F-1550-14
Total PCB Amount	1336-36-3	**0.372**		1.00		GC28F-1550-14

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	92.6	60.0-140		GC28F-1550-14
Decachlorobiphenyl	2051-24-3	100	60.0-140		GC28F-1550-14
Tetrachloro-meta-xylene	877-09-8	88.4	60.0-140		GC28B-1548-14
Decachlorobiphenyl	2051-24-3	99.8	60.0-140		GC28B-1548-14

[1]Qualifier 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.
AD-Aroclor 1242 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
AG-Aroclor 1260 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

Pace Analytical®

Analytical Sample Results

Job Number: 15020172

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: LEACHATE 021115
Lab Sample ID: 15020172-01 (AS03143)

Collection Date: 02/11/2015 08:30
Sample Matrix: WATER
Received Date: 02/11/2015 13:42
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	ICP2-1508-40	SW-846 6010C	02/25/2015 13:39	LMS	NA	NA	NA
Prep 1:	5412	EPA 3005A	02/17/2015 08:13	CYC	50.0 mL	50.0 mL	NA

Analyte	CAS No.	Result (mg/L)	PQL	Dilution Factor	Flags	File ID
Aluminum	7429-90-5	**0.0156**	0.0500	1.00	J	ICP2-1508-40
Antimony	7440-36-0	ND	0.00500	1.00	U	ICP2-1508-40
Arsenic	7440-38-2	**0.0666**	0.00500	1.00		ICP2-1508-40
Barium	7440-39-3	**2.26**	0.00500	1.00		ICP2-1508-40
Beryllium	7440-41-7	ND	0.00400	1.00	U	ICP2-1508-40
Cadmium	7440-43-9	ND	0.00400	1.00	U	ICP2-1508-40
Calcium	7440-70-2	**140**	0.500	1.00		ICP2-1508-40
Chromium	7440-47-3	**0.00440**	0.00500	1.00	J	ICP2-1508-40
Cobalt	7440-48-4	**0.00528**	0.00500	1.00		ICP2-1508-40
Copper	7440-50-8	ND	0.00500	1.00	U	ICP2-1508-40
Iron	7439-89-6	**34.0**	0.0500	1.00		ICP2-1508-40
Lead	7439-92-1	**0.00281**	0.00500	1.00	JB	ICP2-1508-40
Magnesium	7439-95-4	**30.7**	0.500	1.00		ICP2-1508-40
Manganese	7439-96-5	**13.4**	0.00500	1.00		ICP2-1508-40
Nickel	7440-02-0	**0.00128**	0.00500	1.00	J	ICP2-1508-40
Potassium	7440-09-7	**2.41**	0.500	1.00	B	ICP2-1508-40
Selenium	7782-49-2	**0.00654**	0.0100	1.00	J	ICP2-1508-40
Silver	7440-22-4	ND	0.00700	1.00	U	ICP2-1508-40
Sodium	7440-23-5	**35.1**	0.500	1.00	B	ICP2-1508-40
Thallium	7440-28-0	**0.0225**	0.0100	1.00		ICP2-1508-40
Vanadium	7440-62-2	**0.00107**	0.00500	1.00	J	ICP2-1508-40
Zinc	7440-66-6	**0.0405**	0.00500	1.00		ICP2-1508-40

ND: Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.
B - Denotes analyte observed in associated method blank at a concentration exceeding the PQL.
J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the PQL.

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1501011
Project:	15020170 Dewey Loeffel	**Date Collected:**	2/11/15
Sample Matrix:	Water	**Date Received:**	2/12/15
		Date Extracted:	2/13/15
		Date Analyzed:	2/13/15 14:55
Sample Name:	LEACHATE 021115	**Units:**	µg/L
Lab Code:	R1501011-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	432827
Prep Method:	EPA 3535A	**Extraction Lot:**	229232
Data File Name:	I:\ACQUDATA\5975E\data\021315\AI159.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**720**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	100	57-118	2/13/15 14:55	

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-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16311.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	3	
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	2300	E
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	89	
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	3	
76-13-1	Freon-113	1	U
67-64-1	Acetone	460	E
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	U
156-60-5	trans-1,2-Dichloroethene	33	
1634-04-4	Methyl tert-butyl ether	4	
75-34-3	1,1-Dichloroethane	130	Z
156-59-2	cis-1,2-Dichloroethene	5000	E
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	6	
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	35	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	4000	E
107-06-2	1,2-Dichloroethane	28	Z
79-01-6	Trichloroethene	2	
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	94	Z
108-88-3	Toluene	5300	E
10061-02-6	trans-1,3-Dichloropropene	1	U
79-00-5	1,1,2-Trichloroethane	1	
127-18-4	Tetrachloroethene	1	U
591-78-6	2-Hexanone	5	U

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-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16311.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	3200	E
100-41-4	Ethylbenzene	770	E
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	2200	E
95-47-6	o-Xylene	670	E
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	13	
79-34-5	1,1,2,2-Tetrachloroethane	5	
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	18	
106-46-7	1,4-Dichlorobenzene	120	
87-61-6	1,2,3-Trichlorobenzene	11	
95-50-1	1,2-Dichlorobenzene	12	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	2	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LEACHATE DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16327.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	2100	D
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	4400	D
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	18000	D
107-06-2	1,2-Dichloroethane	200	U
79-01-6	Trichloroethene	260	D
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	30000	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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LEACHATE DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J16327.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: not dec. Date Analyzed: 05/14/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	8000	D
100-41-4	Ethylbenzene	660	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	2900	D
95-47-6	o-Xylene	600	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	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

EPA SAMPLE NO.

LEACHATE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28471.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/17/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12-03-3	3-Methylphenol/4-Methylphenol	610	E
108-95-2	Phenol	24	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	55	
108-60-1	2,2´-oxybis(1-chloropropane)	10	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	190	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
606-20-2	2,6-Dinitrotoluene	10	U
208-96-8	Acenaphthylene	5	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	2	J
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenyl-phenylether	10	U

EPA SAMPLE NO.

LEACHATE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: 5\R28471.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/17/15

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	25	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	3	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	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	1	J
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

EPA SAMPLE NO.

LEACHATE DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-001BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 5\R28533.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/20/15

Injection Volume: 2 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
12-03-3	3-Methylphenol/4-Methylphenol	530	D
108-95-2	Phenol	200	U
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	42	DJ
108-60-1	2,2´-oxybis(1-chloropropane)	200	U
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	160	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
606-20-2	2,6-Dinitrotoluene	200	U
208-96-8	Acenaphthylene	100	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
86-73-7	Fluorene	100	U
7005-72-3	4-Chlorophenyl-phenylether	200	U

EPA SAMPLE NO.

LEACHATE DL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY175

Matrix: (soil/water) WATER Lab Sample ID: 1505569-001BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 5\R28533.D

Level: (low/med) LOW Date Received: 05/06/15

% Moisture: Decanted: (Y/N) N Date Extracted: 05/12/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 05/20/15

Injection Volume: 2 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) CONT

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	500	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	200	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

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: LEACHATE 050615
Lab Sample ID: 15050053-01 (AS08559)

Collection Date: 05/06/2015 08:30
Sample Matrix: WATER
Received Date: 05/06/2015 13:15
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28B-1607-23	SW-846 Method 8082A	05/12/2015 17:30	JKA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	30662	EPA 3535A	05/11/2015 08:38	KEN	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-1607-23
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28B-1607-23
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28B-1607-23
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28B-1607-23
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28B-1607-23
Aroclor 1254	11097-69-1	**0.111**	0.0500	1.00	AF	GC28B-1607-23
Aroclor 1260	11096-82-5	**0.0848**	0.0500	1.00	AG	GC28B-1607-23
Total PCB Amount	1336-36-3	**0.1958**		1.00		GC28B-1607-23

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	98.1	47.0-123		GC28F-1610-23
Decachlorobiphenyl	2051-24-3	103	35.0-153		GC28F-1610-23
Tetrachloro-meta-xylene	877-09-8	94.2	47.0-123		GC28B-1607-23
Decachlorobiphenyl	2051-24-3	99.3	35.0-153		GC28B-1607-23

[1]Qualifier 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.
AF-Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
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 050615

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY175

Matrix (soil/water): WATER Lab Sample ID: 1505569-001

Level (low/med): LOW Date Received: 05/06/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	32.1	J	N	P
7440-36-0	Antimony	60	U	N	P
7440-38-2	Arsenic	66.8		N	P
7440-39-3	Barium	2200		N	P
7440-41-7	Beryllium	5.0	U	N	P
7440-43-9	Cadmium	2.5	U	N	P
7440-70-2	Calcium	141000			P
7440-47-3	Chromium	10.6		N	P
7440-48-4	Cobalt	4.8	J	N	P
7440-50-8	Copper	9.8	J	N	P
7439-89-6	Iron	32900			P
7439-92-1	Lead	3.7	J	N	P
7439-95-4	Magnesium	30600			P
7439-96-5	Manganese	15300			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U	N	P
7440-09-7	Potassium	2360	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	11.5		N	P
7440-23-5	Sodium	33400			P
7440-28-0	Thallium	6.2	J	N	P
7440-62-2	Vanadium	50	U	N	P
7440-66-6	Zinc	57.2		N	P

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1503433
Project:	15050052 Dewey Loeffel	**Date Collected:**	5/ 6/15
Sample Matrix:	Water	**Date Received:**	5/ 7/15
		Date Extracted:	5/13/15
		Date Analyzed:	5/13/15 17:42
Sample Name:	LEACHATE 050615	**Units:**	µg/L
Lab Code:	R1503433-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	444781
Prep Method:	EPA 3535A	**Extraction Lot:**	235686
Data File Name:	I:\ACQUDATA\5975E\data\051315\AI931.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**690**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	83	57-118	5/13/15 17:42	

4

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-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72393.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	1	U
108-87-2	Methylcyclohexane	2	
75-71-8	Dichlorodifluoromethane	1	U
74-87-3	Chloromethane	1	U
75-01-4	Vinyl chloride	1100	E
74-83-9	Bromomethane	1	U
75-00-3	Chloroethane	74	
75-69-4	Trichlorofluoromethane	1	U
75-35-4	1,1-Dichloroethene	1	
76-13-1	Freon-113	1	U
67-64-1	Acetone	170	
75-15-0	Carbon disulfide	1	U
75-09-2	Methylene chloride	1	
156-60-5	trans-1,2-Dichloroethene	30	
1634-04-4	Methyl tert-butyl ether	1	U
75-34-3	1,1-Dichloroethane	86	
156-59-2	cis-1,2-Dichloroethene	1600	E
78-93-3	2-Butanone	1	U
74-97-5	Bromochloromethane	1	U
67-66-3	Chloroform	3	
71-55-6	1,1,1-Trichloroethane	1	U
110-82-7	Cyclohexane	36	
56-23-5	Carbon tetrachloride	1	U
71-43-2	Benzene	1500	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	54	
108-88-3	Toluene	1700	E
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

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-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72393.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/18/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	1	U
106-93-4	1,2-Dibromoethane	1	U
108-90-7	Chlorobenzene	1800	E
100-41-4	Ethylbenzene	540	E
630-20-6	1,1,1,2-Tetrachloroethane	1	U
179601-23-1	m,p-Xylene	1300	E
95-47-6	o-Xylene	500	E
100-42-5	Styrene	1	U
75-25-2	Bromoform	1	U
98-82-8	Isopropylbenzene	14	
79-34-5	1,1,2,2-Tetrachloroethane	4	
108-86-1	Bromobenzene	1	U
541-73-1	1,3-Dichlorobenzene	21	
106-46-7	1,4-Dichlorobenzene	110	
87-61-6	1,2,3-Trichlorobenzene	8	
95-50-1	1,2-Dichlorobenzene	13	
96-12-8	1,2-Dibromo-3-chloropropane	1	U
120-82-1	1,2,4-Trichlorobenzene	2	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LEACHATE DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72456.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/21/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	1800	D
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	3000	D
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	14000	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	21000	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

1B

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LEACHATE DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\F72456.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: not dec. Date Analyzed: 08/21/15

GC Column: DB-624 ID: 0.18 (mm) Dilution Factor: 200.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	7300	D
100-41-4	Ethylbenzene	580	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	2600	D
95-47-6	o-Xylene	520	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	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

EPA SAMPLE NO.

LEACHATE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75076.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	15	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
95-48-7	2-Methylphenol	41	
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	420	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	150	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	9	
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

EPA SAMPLE NO.

LEACHATE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N75076.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/21/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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	3	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

EPA SAMPLE NO.

LEACHATEDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-001BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75179.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	21	DJ
111-44-4	Bis(2-chloroethyl)ether	200	U
95-57-8	2-Chlorophenol	200	U
95-48-7	2-Methylphenol	58	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	33	DJ
106-47-8	4-Chloroaniline	200	U
87-68-3	Hexachlorobutadiene	200	U
59-50-7	4-Chloro-3-methylphenol	52	DJ
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

EPA SAMPLE NO.

LEACHATEDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY254

Matrix: (soil/water) WATER Lab Sample ID: 1508949-001BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N75179.D

Level: (low/med) LOW Date Received: 08/13/15

% Moisture: Decanted: (Y/N) N Date Extracted: 08/17/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 08/26/15

Injection Volume: 1 (µL) Dilution Factor: 20.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

Analytical Sample Results

Job Number: 15080351

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: LEACHATE 081215
Lab Sample ID: 15080351-01 (AS23443)

Collection Date: 08/12/2015 07:00
Sample Matrix: WATER
Received Date: 08/12/2015 14:30
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28F-1708-9	SW-846 Method 8082A	08/18/2015 15:02	MCA	NA	NA	Phenomenex, Zebron ZB-1MS, 20 m, 0.18 mm ID, 0.18 µm
Analysis 2:	GC28B-1705-9	SW-846 Method 8082A	08/18/2015 15:02	MCA	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	31855	EPA 3535A	08/17/2015 08:49	KEN	1070 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-1705-9
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28B-1705-9
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28B-1705-9
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28B-1705-9
Aroclor 1248	12672-29-6	**0.0756**	0.0500	1.00	AE	GC28F-1708-9
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28B-1705-9
Aroclor 1260	11096-82-5	**0.102**	0.0500	1.00	AG	GC28B-1705-9
Total PCB Amount	1336-36-3	**0.1776**		1.00		GC28B-1705-9

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	91.2	47.0-123		GC28B-1705-9
Decachlorobiphenyl	2051-24-3	104	35.0-153		GC28B-1705-9
Tetrachloro-meta-xylene	877-09-8	99.0	47.0-123		GC28F-1708-9
Decachlorobiphenyl	2051-24-3	114	35.0-153		GC28F-1708-9

[1]Qualifier 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.
AE-Aroclor 1248 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.
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 081215

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY254

Matrix (soil/water): WATER Lab Sample ID: 1508949-001

Level (low/med): LOW Date Received: 08/13/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	73.6	J		P
7440-36-0	Antimony	60	U		P
7440-38-2	Arsenic	63.6			P
7440-39-3	Barium	2270			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	1.8	J		P
7440-70-2	Calcium	138000			P
7440-47-3	Chromium	16.1			P
7440-48-4	Cobalt	4.5	J		P
7440-50-8	Copper	11.5	J		P
7439-89-6	Iron	32500			P
7439-92-1	Lead	24.9		N	P
7439-95-4	Magnesium	30400			P
7439-96-5	Manganese	15300			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2620	J		P
7782-49-2	Selenium	10	U	N	P
7440-22-4	Silver	4.5	J		P
7440-23-5	Sodium	35000			P
7440-28-0	Thallium	10	U		P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	110			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

ALS Group USA, Corp. dba ALS Environmental

Analytical Report

Client:	Pace Analytical Services - NY	**Service Request:**	R1506685
Project:	15080349/Dewey Loeffel	**Date Collected:**	8/12/15
Sample Matrix:	Water	**Date Received:**	8/13/15
		Date Extracted:	8/14/15
		Date Analyzed:	8/14/15 17:15
Sample Name:	LEACHATE 081215	**Units:**	µg/L
Lab Code:	R1506685-001	**Basis:**	NA

1,4-Dioxane by GC/MS

Analytical Method:	8270D	**Analysis Lot:**	458164
Prep Method:	EPA 3535A	**Extraction Lot:**	242569
Data File Name:	I:\ACQUDATA\5975E\data\081415\AJ689.D\	**Instrument Name:**	R-MS-56
		Dilution Factor:	1

CAS No.	Analyte Name	Result	Q	MRL	MDL	Note
123-91-1	1,4-Dioxane	**680**		2.0	0.20	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Q
1,4-Dioxane-d8	86	64-124	8/14/15 17:15	

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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21050.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
79-20-9	Methyl Acetate	100	U
108-87-2	Methylcyclohexane	100	U
75-71-8	Dichlorodifluoromethane	100	U
74-87-3	Chloromethane	100	U
75-01-4	Vinyl chloride	2600	
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
75-35-4	1,1-Dichloroethene	100	U
76-13-1	Freon-113	100	U
67-64-1	Acetone	910	
75-15-0	Carbon disulfide	100	U
75-09-2	Methylene chloride	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
1634-04-4	Methyl tert-butyl ether	100	U
75-34-3	1,1-Dichloroethane	160	
156-59-2	cis-1,2-Dichloroethene	5100	
78-93-3	2-Butanone	100	U
74-97-5	Bromochloromethane	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
110-82-7	Cyclohexane	100	U
56-23-5	Carbon tetrachloride	100	U
71-43-2	Benzene	17000	
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	100	
78-87-5	1,2-Dichloropropane	100	U
75-27-4	Bromodichloromethane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-10-1	4-Methyl-2-pentanone	130	Z MD 12/11/15
108-88-3	Toluene	27000	E
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	100	U
591-78-6	2-Hexanone	500	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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21050.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 100.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	100	U
106-93-4	1,2-Dibromoethane	100	U
108-90-7	Chlorobenzene	8700	
100-41-4	Ethylbenzene	800	
630-20-6	1,1,1,2-Tetrachloroethane	100	U
179601-23-1	m,p-Xylene	3300	
95-47-6	o-Xylene	810	
100-42-5	Styrene	100	U
75-25-2	Bromoform	100	U
98-82-8	Isopropylbenzene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-86-1	Bromobenzene	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	150	
87-61-6	1,2,3-Trichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
96-12-8	1,2-Dibromo-3-chloropropane	100	U
120-82-1	1,2,4-Trichlorobenzene	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

LEACHATE DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21059.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/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	2700	D
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	1100	D
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	5100	D
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	18000	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	29000	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

1B

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

LEACHATE DL

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: 5\J21059.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: not dec. Date Analyzed: 11/19/15

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

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
124-48-1	Dibromochloromethane	200	U
106-93-4	1,2-Dibromoethane	200	U
108-90-7	Chlorobenzene	8700	D
100-41-4	Ethylbenzene	800	D
630-20-6	1,1,1,2-Tetrachloroethane	200	U
179601-23-1	m,p-Xylene	3300	D
95-47-6	o-Xylene	780	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	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

1C

SEMIVOLATILE 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-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76667.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/20/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	17	
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	3	J
95-48-7	2-Methylphenol	47	
108-60-1	2,2´-oxybis(1-Chloropropane)	10	U
12-03-3	3-Methylphenol/4-Methylphenol	310	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	150	E
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
91-20-3	Naphthalene	34	
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	2	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	5	U

① GV 12-2-15

EPA SAMPLE NO.

LEACHATE

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-001B

Sample wt/vol: 1000 (g/mL) ml Lab File ID: N76667.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/20/15

Injection Volume: 1 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

EPA SAMPLE NO.

LEACHATEDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-001BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76680.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	21	DJ
111-44-4	Bis(2-chloroethyl)ether	100	U
95-57-8	2-Chlorophenol	100	U
95-48-7	2-Methylphenol	64	DJ
108-60-1	2,2'-oxybis(1-Chloropropane)	100	U
12-03-3	3-Methylphenol/4-Methylphenol	460	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	U
105-67-9	2,4-Dimethylphenol	200	D
111-91-1	Bis(2-chloroethoxy)methane	100	U
120-83-2	2,4-Dichlorophenol	100	U
91-20-3	Naphthalene	48	DJ
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	U
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

EPA SAMPLE NO.

LEACHATEDL

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: PACE ANALYTICAL Contract: _____

Lab Code: 10478 Case No.: PACE-NY SAS No.: _____ SDG No.: PACE-NY314

Matrix: (soil/water) WATER Lab Sample ID: 1511E25-001BDL

Sample wt/vol: 1000 (g/mL) ML Lab File ID: N76680.D

Level: (low/med) LOW Date Received: 11/18/15

% Moisture: Decanted: (Y/N) N Date Extracted: 11/19/15

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 11/21/15

Injection Volume: 1 (µL) Dilution Factor: 10.00

GPC Cleanup: (Y/N) N pH: ____ Extraction: (Type) SEPF

CAS NO.	COMPOUND	CONCENTRATION UNITS: (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

Pace Analytical Services, Inc.
2190 Technology Drive
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Phone: 518.346.4592
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Client: ARCADIS
Project: DEWEY LOEFFEL LANDFILL
Client Sample ID: LEACHATE 111815
Lab Sample ID: 15110452-01 (AS36402)

Collection Date: 11/18/2015 06:00
Sample Matrix: WATER
Received Date: 11/18/2015 14:10
Percent Solid: N/A

	Batch ID	Method	Date	Analyst	Init Wt./Vol.	Final Vol.	Column
Analysis 1:	GC28B-1808-18	SW-846 Method 8082A	12/04/2015 16:25	KLL	NA	NA	Phenomenex, Zebron ZB-5, 20 m, 0.18 mm ID, 0.18 µm
Prep 1:	32948	EPA 3535A	12/03/2015 11:39	ER	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	GC28B-1808-18
Aroclor 1221	11104-28-2	ND	0.0500	1.00	U	GC28B-1808-18
Aroclor 1232	11141-16-5	ND	0.0500	1.00	U	GC28B-1808-18
Aroclor 1242	53469-21-9	ND	0.0500	1.00	U	GC28B-1808-18
Aroclor 1248	12672-29-6	ND	0.0500	1.00	U	GC28B-1808-18
Aroclor 1254	11097-69-1	ND	0.0500	1.00	U	GC28B-1808-18
Aroclor 1260	11096-82-5	**0.410**	0.0500	1.00	AG	GC28B-1808-18
Total PCB Amount	1336-36-3	**0.410**		1.00		GC28B-1808-18

Surrogate	CAS No.	% Recovery	Limits (%)	Q[1]	File ID
Tetrachloro-meta-xylene	877-09-8	81.7	47.0-123		GC28F-1811-18
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28F-1811-18
Tetrachloro-meta-xylene	877-09-8	85.0	47.0-123		GC28B-1808-18
Decachlorobiphenyl	2051-24-3	101	35.0-153		GC28B-1808-18

[1]Qualifier 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 111815

Lab Name: PACE ANALYTICAL Contract:

Lab Code: 10478 Case No. NRAS No.: SDG No.: PACE-NY314

Matrix (soil/water): WATER Lab Sample ID: 1511E25-001

Level (low/med): LOW Date Received: 11/18/2015

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	30.7	J		P
7440-36-0	Antimony	9.6	J		P
7440-38-2	Arsenic	67.0			P
7440-39-3	Barium	2250			P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	2.5	U		P
7440-70-2	Calcium	141000			P
7440-47-3	Chromium	15.4			P
7440-48-4	Cobalt	4.9	J		P
7440-50-8	Copper	14.2	J		P
7439-89-6	Iron	28700			P
7439-92-1	Lead	15.8			P
7439-95-4	Magnesium	30000			P
7439-96-5	Manganese	15400			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	40	U		P
7440-09-7	Potassium	2710	J		P
7782-49-2	Selenium	10	U		P
7440-22-4	Silver	10	U		P
7440-23-5	Sodium	34000			P
7440-28-0	Thallium	54.9			P
7440-62-2	Vanadium	50	U		P
7440-66-6	Zinc	51.7			P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
Date Reported 12/28/2015

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 2015 events, and phenolic compounds during the Fall 2015 event, are provided below in Sections 4.3.1 and 4.3.2. 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; and,
- 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 2015, 100% of the data were determined to be usable for qualitative and quantitative purposes based on the data quality review. Approximately three percent of the Spring 2015 data and two percent of the Fall 2015 data were qualified as discussed below in Sections 4.3.1 and 4.3.2, respectively.

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 2015 sampling events: case narrative; chain-of-custody records; sample preservation; sample holding time; method blanks; surrogate spike recoveries; reported PQLs; trip blank results; and, document completeness. 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 2015 groundwater sampling event, blind duplicate sample DUP-001-051315 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 2015 groundwater sampling event, blind duplicate sample DUP-001-10212015 was collected from monitoring well OMW-205, and blind duplicate sample DUP-002-10212015 was collected from monitoring OMW-202. 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 exceptions:

- Chlorobenzene had an RPD value greater than 50% in monitoring well OMW-205 and DUP-001-10212015. In addition, both of the detected concentrations of chlorobenzene are greater than five times the PQL concentration. Chlorobenzene results are considered estimated (J) in both samples.
- Cis-1,2-DCE had an RPD value greater than 50% in monitoring well OMW-205 and DUP-001-10212015. In addition, the detection of cis-1,2-DCE in monitoring well OMW-205 is greater than five times the PQL concentration. Cis-1,2-DCE results are considered estimated (J) in both of these samples.

MS/MSD Results

During the Spring 2015 groundwater sampling event, an MS/MSD sample pair was collected from monitoring well OMW-205. The percent recoveries and RPD values were within the QC criteria with one exception. The cyclohexane percent recoveries in the MS and MSD samples were both above the QC criteria. As a result of the high percent recoveries of cyclohexane, the following cyclohexane results were qualified as not detected at an estimated reporting limit (UJ):

- Monitoring wells OMW-102, DUP-001-051315, OMW-201, OMW-205, OMW-213 and OMW-215 at 1 UJ µg/L.

During the Fall 2015 groundwater sampling event, MS/MSD sample pairs were collected from monitoring wells OMW-212 and OMW-216. The percent recoveries and RPD values were within the QC criteria.

LCS Recoveries

Dichlorodifluoromethane and chloromethane percent recoveries were below the laboratory QC criteria in the LCS analyzed on May 20, 2015 with the Spring 2015 groundwater samples. As a result of the low percent recoveries, the following non-detect results were qualified as not detected at an estimated PQL (UJ):

Dichlorodifluoromethane

- Monitoring wells OMW-102, DUP-001-051315, OMW-201, OMW-215 and TB-051315 at 1 UJ µg/L.

Chloromethane

- Monitoring wells OMW-102, DUP-001-051315, OMW-201, OMW-215 and TB-051315 at 1 UJ µg/L.

The LCS analyzed on May 21, 2015 with the Spring 2015 groundwater samples was found to meet QC criteria.

The 1,2-dichloroethane (1,2-DCA) percent recovery was above the laboratory QC criteria in the LCS analyzed on October 26, 2015 with the Fall 2015 groundwater samples. 1,2-DCA was not detected in the groundwater

samples analyzed with this LCS, so qualification was not necessary. The remaining LCS samples analyzed with the Fall 2015 groundwater samples were found to meet QC criteria.

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 2015 groundwater sampling events: case narrative; chain-of-custody records; sample preservation; sample holding time; method blanks; surrogate spike recoveries; LCS recoveries; blind field duplicate samples; reported PQLs; and, document completeness. Field QA/QC sample details are summarized below.

Blind Field Duplicate Results

During the Spring 2015 groundwater sampling event, blind duplicate sample DUP-002-051315 was collected from monitoring well OMW-215. 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 2015 groundwater sampling event, blind duplicate sample DUP-004-10212015 was collected from monitoring well OMW-215. 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 2015 groundwater sampling event, an MS/MSD sample pair was collected from monitoring well OMW-215. The percent recoveries and RPD values were within the required QC criteria.

During the Fall 2015 groundwater sampling event, an MS/MSD sample pair was collected from monitoring well OMW-201. The percent recovery of 1,4-dioxane was above the laboratory QC criteria in the MS, but below the laboratory QC criteria in the MSD. The original concentration of 1,4-dioxane in the groundwater sample collected from monitoring well OMW-201 was greater than four times the spike concentration, so qualification was not necessary. The RPD value was within the required QC criteria for the MS/MSD sample pair.

1.3. Phenolic Compound Analyses

The samples collected for phenolic compound analysis were analyzed by USEPA SW-846 Method 8270D, and are shown in Table 4-2; groundwater samples are not analyzed for phenolic compounds during the Spring groundwater sampling events. The following QA/QC parameters for phenolic compounds were found to meet QC criteria or did not result in qualification of the data during the Fall 2015 groundwater sampling event: case narrative; chain-of-custody records; sample preservation; sample holding times; method blanks; LCS recoveries; blind field duplicate samples; MS/MSD results; reported PQLs; and, document completeness. Field QA/QC sample details, as well as excursions that resulted in qualification of the data, are summarized below.

Blind Field Duplicate Results

Blind duplicate sample DUP-003-10262015 was collected from monitoring well OMW-201. The phenolic compound 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

An MS/MSD sample pair was collected from monitoring well OMW-215. The percent recoveries and RPD values were within the QC criteria.

Surrogate Spike Recoveries

Surrogate spike recoveries were within laboratory QC limits in the samples collected during the Fall 2015 groundwater sampling event with the following exceptions:

- 2-Fluorophenol percent recoveries were below the laboratory QC criteria in the blind duplicate sample collected from monitoring well OMW-201 (DUP-003-10262015); and,
- Phenol-d6 percent recoveries were below the laboratory QC criteria in the sample collected from monitoring well OMW-201 and its blind duplicate sample (DUP-003-10262015.

Due to the low percent recoveries of 2-fluorophenol and phenol-d6, detected results in the sample collected from monitoring well OMW-201 and its blind duplicate (DUP-003-10262015) are considered estimated (J). Non-detect results in these two samples are considered non-detect at an estimated reporting limit (UJ).